



YEARLY STATUS REPORT - 2020-2021

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 its own campus? **Yes**
- Phone no./Alternate phone no. **04842597800**
- Mobile no **9497417700**
- Registered e-mail **info@sngce.ac.in**
- Alternate e-mail **principal@sngce.ac.in**
- Address **SREE NARAYANA GURUKULAM COLLEGE
OF ENGINEERING, KADAYIRIPPU,
KOLENCHERY, ERNAKULAM DISTRICT,
KERALA**
- City/Town **Ernakulam**
- State/UT **Kerala**
- Pin Code **682311**

2. Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **APJ Abdul Kalam Technological University**
- Name of the IQAC Coordinator **Dr. Alby S**
- Phone No. **04842597800**
- Alternate phone No. **9847002446**
- Mobile **9847002446**
- IQAC e-mail address **iqac.sngce@gmail.com**
- Alternate Email address **iqac@sngce.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

https://sngce.ac.in/user/files/SNGCE_AQAR_2019-2020_report.pdf

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://sngce.ac.in/iqac.php?id=M Tgx&p=SVFBQw==&k=1>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.63	2015	14/09/2015	13/09/2020

6. Date of Establishment of IQAC

06/01/2014

7. Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	NA	Nil	2020	00

8. Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year 4

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? No

- If yes, mention the amount

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

Equipped faculty members to conduct classes and training programmes through online platforms.

Conducted a one week induction programme for first year students.

Conducted Academic and Administrative Audit during pandemic.

Organized various Quality Audits.

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

Plan of Action	Achievements/Outcomes
Quality improvement programmes for Students	One week induction programme for first year students has been conducted
Conduct a minimum of 4 meetings	4 meetings were conducted
Conduct both internal and external academic audits	The academic audit helped to evaluate the institution's educational processes, curriculum, and overall quality to identify areas of strengths and weaknesses and suggest improvements.

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	22/08/2022

14. Whether institutional data submitted to AISHE

Part A

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2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the Affiliating University	APJ Abdul Kalam Technological

and compliance to the decisions have been uploaded on the institutional website?	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
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Governing Body	22/08/2022
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2020-2021	24/06/2022
15. Multidisciplinary / interdisciplinary	
16. Academic bank of credits (ABC):	
17. Skill development:	
<p>During the first semester, the institution incorporates skill development courses into the curriculum, which is affiliated with the university. Students receive soft skill training, emphasizing the enhancement of communication, teamwork, problem-solving, and fostering a positive attitude. Professional society chapters associated with the institution actively promote skill development programs for students. By integrating industry requirements into the curriculum and providing add-on courses, the institution ensures that students are well-prepared for the workforce upon graduation.</p>	
18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):	
<p>In our institution, Outcome-Based Education (OBE) is at the forefront of our educational approach. The college strictly follows the curriculum set forth by the affiliated university. Utilizing the Revised Bloom's Taxonomy, faculty members take the responsibility of defining Course Outcomes (COs) for courses in instances where the university has not provided them. All assessments are directly linked to the relevant COs. The college assesses the attainment of Course Outcomes by mapping them to Program Outcomes (PO) and Program Specific Outcomes (PSO). To continually improve the educational experience, the college</p>	

conducts exit surveys for both courses and programs.

20.Distance education/online education:

Extended Profile

1.Programme

1.1	511
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	965
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	206
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	303
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	145
Number of full time teachers during the year	

File Description	Documents
Data Template	View File
3.2	145
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	76
Total number of Classrooms and Seminar halls	
4.2	224.91
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	600
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING, affiliated with APJ Abdul Kalam Technological University,

Step 1: Adheres to the university academic calendar for curriculum planning and implementation.

Step 2: The academic year calendar, outlines the curriculum and syllabus, which outline activities of the year and are disseminated to teachers and students.

Step 3: Subject allotment is done well in advance, allowing faculty members to prepare comprehensive course plans and lecture notes.

Step 4: Institution incorporates innovative pedagogical initiatives, such as working models, visual charts, videos, lab experiments, group assignments, quizzes, seminars, presentations, group discussions, flipped classrooms, and bridge courses, to foster active learning and student engagement.

Step 5: It ensures extracurricular activities like sports, cultural activities, community services, education clubs etc..

Step 6: Regular course committee and class committee meetings ensure compliance with the academic calendar.

Step 7: Internal and external academic audits are conducted to ensure the quality of teaching.

Step 8: Feedback from stakeholders, such as students, faculties, alumni, and employers, is analyzed and remedial actions are taken.

Step 9: The next semester plan is prepared based on the course and student inputs

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://sngce.ac.in/naac/AQAR/criterial/C1_1-1-1_2020-2021_3.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Before the commencement of the academic year, the university publishes an 'Academic calendar' containing 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, Examination committee is formed at the college level which monitors the overall internal assessment process.

The examination committee sends information to the University about students who are appearing for examination. After receiving the enrolled list of students' by the University, the college prepares

seating arrangement charts, list of invigilators etc. The record of internal assessment is maintained at college level.

Course instructors prepare CIA question papers based on Bloom's Taxonomy and DQAC, approved by the Department Head. The internal test timetable is published, and post-CIA tests, answer script evaluation, and CO-PO/PSO attainment calculations are carried out by respective instructors. Laboratory courses, project work, seminars, internships, and projects also undergo continuous evaluation. Laboratory internal test is conducted at the end of the semester. All activities adhere to the University's calendar of events except for unforeseen circumstances.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University

Setting of question papers for UG/PG programs

Design and Development of Curriculum for Add on/ certificate/ Diploma Courses

Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

9

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

18

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

37

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Sree Narayana Gurukulam College of Engineering is adopting APJ Abdul Kalam Technological University's Curriculum. It endeavors to inculcate ethics and values in students' communities to make them better citizens. The program's Curriculum includes courses about

professional ethics, gender, human values, environment, and sustainability. Throughout the year, the institution conducts numerous activities, such as workshops, awareness programs, seminars, webinars, etc., to assist in integrating cross-cutting topics into the Curriculum. Gender-based issues addressed through training, social safety, and rights in various initiatives for women's empowerment. Women's cell and internal complaint committee promote and support women's social respect, safety, and rights. SNGCE focuses on professional ethics, instilling ethical norms and values for a peaceful existence. It also provides a standard for professional practice, recommending appropriate technologies and management patterns. Students are encouraged to uphold morality and ethics in their professional practice. Anti-ragging committee has been constituted to handle the ragging issues. Professional counselors provide value-based education and sustainability lessons. Clubs, NSS, and cultural and sports committees enhance character development and emphasize service, teamwork, and leadership. Blood Donation Camps instil human values.

The Curriculum also includes Environmental Science and Engineering courses, with Eco Club and NSS promoting environmental protection and awareness through various courses.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

37

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

521

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://sngce.ac.in/naac/AQAR/criterial/C1_1-4-1_2020-2021_2.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://sngce.ac.in/naac/AQAR/criterial/C1_1-4-1_2020-2021_2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

266

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

102

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The College has as one of its goals student success. Towards this end the College through the teaching-learning process in the class

helps students attain program outcomes and also the program specific outcomes. The attainment process also includes practical laboratory training, add-on courses, internship, extra-curricular lecture and write-ups. Strong motivation is given to students on doing their best on their final year capstone project. The process begins with a bridge-course on remedial English-language refresher course and mathematics is offered shortly after enrollment and before regular class starts. Assessment during the bridge-program helps teachers identify self-directed or advanced learners and slow-learners.

A counselling session is arranged for slow-learners. Special classes on language and mathematical skills are scheduled for slow learners to equip them to cope with the demands of the curriculum successfully. During the course of the semester remedial class is set for slow learners during the week and also on Saturdays. The University also requires College to offer remedial classes to slow learners.

Where slow learners score low-marks on assignments and tests, they are given more than one opportunity to score higher marks with more assignments and tests. With remedial class, course-materials and required assessments, slow learners are able to score higher marks in the internal evaluation. Slow learners are also mentored by advanced learners of upper semesters.

Advanced learners take honours-courses, which are courses over and above the prescribed curriculum. They are guided to write technical papers for presentation at Conferences. The schemes outlined here have shown good results.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-2-1_AQAR%202020-2021.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
965	145

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

SNGCE believes in adopting student-centric methods to enhance student involvement, participative learning, and problem-solving abilities. Experiential learning is one of the key approaches employed at SNGCE. Project work is an integral component of each program, consisting of both mini projects and major projects. This allows students to gain hands-on experience and apply their knowledge in practical settings. Furthermore, internships and field projects in industries provide students with real-world exposure and a deeper understanding of industry practices. SNGCE also encourages students to participate in competitions at national and international levels, fostering a competitive spirit and offering real-time exposure.

Participative learning methods are actively encouraged at SNGCE. Teamwork is emphasized through various departmental activities promoting the spirit of collaboration and teamwork among students. Debates are conducted in subjects where students are encouraged to present different perspectives, facilitating argumentative learning and critical thinking. Group work, practicals, and workshops under the guidance of teachers further enhance participative learning experience.

Problem-solving methodology is integrated into the teaching-learning process at SNGCE. Case studies are employed to develop students' logical thinking, practical knowledge and problem-solving abilities. Quizzes are conducted to assess students' understanding, and research activities under the guidance of senior faculty members nurture research aptitude among students.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-3-1_2020_2021.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in

maximum of 200 words

Institute understands the importance of equipping students with the latest technologies to ensure their readiness for the corporate world. The institution utilizes a variety of ICT tools to facilitate effective teaching and learning experiences. These tools include:

1. **Projectors:** Institute has projectors installed in different classrooms and labs to enable multimedia presentations and interactive learning.
2. **Desktops:** Computer labs and faculty cabins throughout the campus are equipped with desktop computers and laptops to facilitate technology-based instruction.
3. **Printers:** Printers are available in HOD cabins, and other prominent areas for convenient access to printed materials.
4. **Photocopier Machines:** The campus is equipped with photocopier machines to facilitate document reproduction and distribution.
5. **Seminar Rooms:** seminar halls are digitally equipped with facilities for conducting interactive sessions, presentations, and workshops.
6. **Smart Board:** The institution has installed smart board, providing an interactive platform for engaging and collaborative learning experiences.
7. **MOOC Platforms (NPTEL, Coursera, Udemy etc.):** The college encourages students to explore Massive Open Online Courses (MOOCs) to expand their knowledge beyond the curriculum.
8. **Digital Library Resources :** The institution provides access to digital libraries and online resources to facilitate research and self-study.

Through the effective integration of ICT tools we ensure that students receive a comprehensive and technologically enriched education, preparing them for success in their chosen careers.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

145

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

145

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

16

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1168

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 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.

File Description	Documents
Any additional information	View File
Link for additional information	https://sngce.ac.in/naac/AQAR/criterial/C1_1-1-2_2020-2021.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institution has a well-defined policy and efficient mechanisms to deal with examination-related grievances. The process followed is transparent, and the rectification of grievances is time-bound

- The grievance may be there due to error in question, incomplete question or question being out of syllabus. If any such grievance is reported at the examination hall, then appropriate action is taken by the Controller of Examination.
- The grievance is at first verified with the respective department and necessary action is taken.
- If a student is concerned about the awarded marks, he/she can approach teaching faculty directly, who will handle the grievance. If the student is not satisfied with the response, he/she can raise his/her concern to the Faculty Advisor. If the student is still unsatisfied, the issue can be taken up with Head of the Department. Grievances that are still unsettled can be brought to the notice of Grievance Redressal and Appeals Committee constituted by the Principal. The Committee can look into any exam related decisions taken by the institute and advice rectifications, if required.
- Students who missed an internal exam can request for retest through Faculty Advisor and Head of the Department

File Description	Documents
Any additional information	View File
Link for additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-5-2_2018-2019-1.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

- Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) for all Programmes are stated and displayed on SNGCE website and communicated to all stakeholders.
- Program Outcomes and Programme Specific Outcomes are

displayed at HOD room, Laboratories, Library, seminar halls, department newsletter etc.

- POs, and PSOs are included in the lab manuals, project reports etc.
- The Course outcomes of all the courses are specified in the syllabus prescribed by the university.
- The Head of the Department and the group tutors explain various programme outcomes to students right from the induction meeting
- COs, POs, and PSOs are also included in the course note files.
- Teachers who handle various courses explain course outcomes and relate course outcomes to POs and PSOs.
- Course Outcomes are mentioned in the Lesson plan and internal examination question papers.
- POs, PSOs are discussed in alumni meetings and feedback is collected for PO attainment calculation.
- Faculty members are encouraged to participate in workshops on OBE.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-6-1_2020-2021_1.xlsx
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

COs are evaluated in each semester and POs and PSOs are evaluated every year. Achievement of POs & PSOs is computed for each program considering all COs aligning with each PO & PSO. Achievement of POs is determined by comparing with prefixed targets. Remedial

measures are to be taken if the target is not attained.

Measurement is done by direct tools like:

For COs,

(1). Direct Assessment Tools for

- Theory courses:

1. Internal Evaluation Test,

2. Assignments, Tutorials.

- Practical courses

1. Continuous evaluation of experiments, Record and Viva voce

2. Internal Evaluation Test

- Course projects

1. Project review and presentation.

University Examinations

Attainment of CO of all courses against set attainment levels is calculated as

Final CO Attainment = Continuous Internal Evaluation (CIE) *
20/100 + University Attainment(ESE) * 80/100

PO attainment calculation includes both direct and indirect methods. Direct method includes direct CO attainment. Indirect methods includes graduate survey, alumni survey and employer survey. Overall attainments of POs are calculated by taking 80% of direct attainment and 20% of indirect attainment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-6-2_2020-2021_1.xlsx

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

293

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-3-4-1_2020-2021_2.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://sngce.ac.in/naac/AQAR/criteria2/Student%20Satisfaction%20Survey%202020-2021.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

2

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

During the academic year 2020-2021, SNG College of Engineering (SNGCE) made significant strides in establishing a vibrant

ecosystem for innovations and knowledge transfer. The institution's unwavering commitment to fostering a culture of creativity and research excellence led to remarkable achievements among students and faculty.

SNGCE provided cutting-edge proactive labs and innovation cells, promoting interdisciplinary collaboration and enabling students to explore groundbreaking ideas. Dynamic events like hackathons, innovation challenges, and design thinking workshops nurtured students' problem-solving skills and entrepreneurial mindset.

Emphasizing knowledge transfer, SNGCE encouraged faculty and students to publish their research in reputed journals and participate in esteemed conferences, reaching a wider academic audience.

Collaborations with industry partners facilitated practical applications of research outcomes, resulting in technology transfers and contributions to societal growth. The active Incubation Center supported students with innovative business ideas through mentorship and financial assistance.

In conclusion, SNGCE's initiatives during 2020-2021 fostered a thriving ecosystem for innovations and knowledge transfer. The college's dedication to creativity, research excellence, and entrepreneurship empowered students and faculty to make significant strides and positively impact the engineering landscape.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria3/C3_3-2-1_2018-2022_RIE_Facilitis_1.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

2

File Description	Documents
URL to the research page on HEI website	https://www.sngce.ac.in/research.php?id=MjU=
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

19

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

11

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

During the academic year 2020-2021, SNG College of Engineering (SNGCE) actively engaged in extension activities within the neighbourhood community, sensitizing students to social issues and promoting their holistic development. These initiatives had a significant impact on both students and the community.

The college conducted an NSS Orientation Class, raising awareness about the National Service Scheme's values. COVID-19 awareness programs educate students and the community about preventive measures and safety protocols.

Environmental Day 2020 and "Yoga at Home, Yoga with Family" promoted environmental conservation and physical/mental well-being during the pandemic.

A "Breastfeeding Awareness Camp" and a "Webinar on Maintaining Health During Lockdown" addressed health concerns, while NSS Day Celebration emphasized community service's significance.

A "Fitness Program Report" showcased the college's commitment to physical well-being.

"National Constitution Day Pledge and Preamble" reaffirmed democratic values and patriotism.

"World AIDS Day Awareness" and "No Drugs Awareness Pledge 2021" focused on spreading awareness about health issues.

"Menstrual Awareness Week and Nutrition Iron Folic Tablet Health Care" highlighted the importance of menstrual health and proper nutrition.

Republic Day Celebration and the "Swachh Bharath" (Clean India) campaign promoted national pride and cleanliness.

"Webinars on Cancer Prevention" aimed to educate the community about preventive measures.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria3/C3_3-4-1_2020-2021_EA_1.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

2

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

19

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1164

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

2

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

2

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institution is spread over 25 acres of land in the outskirts of Kochi. The topographical location provides excellent ambience conducive for an effective teaching learning process. The college is provided with spacious well furnished classrooms with ultra modern facilities. All the laboratories are provided with state of art equipment like computer lab, Internet center, Language lab and Digital library. All the rooms are adequately furnished with comfortable seating and ergonomic furniture. Classrooms are well spaced, fully furnished, numbered based on block name and provided with sufficient light, fans, chairs and table for teachers, three seated benches with sufficient leg space etc. Air conditioned seminar halls equipped with LED projector, screen and public addressing system. Smart classes, tutorial rooms are provided in the college. Electronic resources management packages for E-Journals subscribe to AICTE mandatory like IEEE, Science Direct, Emerald Etc. Both faculty and students can access E Publications. College has D Space(Gurukulam Digital Repository) which collects ,preserves and distributes digital material to a worldwide audience. LAN facility is provided in all computer labs. ICT Resources enhance the teaching and develop presentations as a computer aided teaching material.Many modern instruments are

available in the laboratories for developing practical intelligence in students and students are doing their project as well and labs are provided with intercom facilities. Students supporting services such as facilities for photocopying and stores for stationery and textbooks are made available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria4/C4_4-1-1_2020-2021.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Along with state of the art equipment and infrastructure for fulfilling the program - specific curriculum, SNGCE promotes sports and games culture on campus. The institution has a physical education department which provides the facilities for almost all the track and field events and games in the campus itself. Extra curricular activities include sports, outdoor and indoor games, gymnasiums, NSS, cultural activities, communication skill development, yoga ,health and hygiene etc.The outdoor facilities include athletic grounds, football fields, cricket pitch, volleyball, kho-kho etc. Staff recreation club is constituted in college for faculties who enthusiastically take part in sports events such as cricket, football, volleyball, badminton, caroms, chess etc. College has a multi-specialty Gymnasium which covers about 504 sq.ft. A one-of-a-kind fitness centre with the latest equipment and workout machine is established within the campus.

Cultural Activities

With an aim to promote interest in arts and literature, the arts club functions under the auspices of the college council. ARANGU - the annual intra- collegiate arts festival of SNGCE is organized for showcasing the talents and potentials of students. Students are organizing and participating in many cultural activities like group dance, group songs, skits etc., during arts day held every year in the college. Students enthusiastically participate in University arts festivals and other inter-collegiate competitions where they battled out and won many prizes. Following clubs were formed under club activities; Literary Club, Quiz club, Film Appreciation club & Painting Club.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria4/4-1-2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

1

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria4/C4_4-1-3_2020-2021_2.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

57.13

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- Name of ILMS software - Topscore Solution
- Nature of automation (fully or partially) - Fully automated
- Version - Library Ex.plus
- Year of Automation - 2009

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-2-1_2020-2021.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0.19

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

89

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure**4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

Sree Narayana Gurukulam College of Engineering maintains a well equipped Central Computer Centre in addition to various labs in various departments, and every year, the number of computers, printers and associated facilities are increased step by step in order to cater to the needs of the increased number of students. Currently we have 980 computers located in the Central Computer Lab and different Laboratories, staff rooms, offices, etc. with proportionate printers and servers. Also, we have tie-ups with IT industries such as Infosys Technologies Campus Connect Programme. All servers have been centrally housed in the new Data Centre for ease of management and security. Two new Sun Fire V440 servers are added to the already existing assets of three HP Proliant Servers and two Acer Servers. A computer Aided Design and Analysis lab has been set up with 45 Dell Precision Workstations. Server Edition of AutoCAD, ProE WildFire ANSYS, Iron CAD, Stadd Pro, Nastran, Primavera software are installed to meet growing challenges of the industry. The seminar hall is equipped with a video conferencing facility and internet connectivity. The IT centre in the institute provides 24 hour internet services on campus in hostels through Wi-Fi and LAN with a total bandwidth of around 100 Mbps. Some of our classrooms have LCD projectors. The students are encouraged to give seminar talks using ICT Resources. The computer faculty is rendering the role of the facilitator for the students in preparing teaching learning material with the help of online teaching and independent learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-3-1_2020-2021.pdf

4.3.2 - Number of Computers

600

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

120.12

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Infrastructure

Based on AICTE requirements and Kerala Technological University guidelines, essential infrastructure is identified and provided.

They include:

- a) Spacious buildings with well-furnished lecture halls, seminar halls, playgrounds and associated utilities.
- b) Well-equipped laboratories/workshops, library, audio-visual aids and internet facility.
- c) Supporting services such as fleet of transport, sports facilities, hostels, canteen facility, communication system, etc. are provided.

Maintenance Record:

A register is maintained for recording all maintenance tasks at every lab./workshop.

Calibration

Every equipment needing calibration is identified with a unique number. Calibration is carried out as per the prepared plan, either internally or externally.

Sports Activities:

Physical education lecturer prepares the calendar for the sports and games activities. He arranges the preparation of the facilities, procurement of the kit and organizes regular practice by selected participant. Physical education lecturer maintains a list of talented sports person based on earlier performances within and outside the college. As and when inter-collegiate/inter university sports and games activities are announced, the Principal directs the Physical education lecturer to initiate necessary actions who in turn selects the team and arranges for the necessary coaching.

Cultural activity coordinator prepares the budget in consultation with the Staff adviser, for hosting cultural events within the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-4-2_2020-2021.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

105

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

265

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://sngce.ac.in/naac/AOAR/criteria5/C5_5-1-3_2020-2021_1.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

679

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

679

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent

A. All of the above

mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

107

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

14

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

9

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Students' representation and engagement in administrative, co-curricular, and extracurricular activities contribute to their holistic development, helping them acquire valuable skills and cultivate a sense of belonging within the educational community. Their roles in various activities are as follows:

Administrative Activities: Class representatives provided their support for the smooth conduct of online classes during the pandemic period.

Co-curricular Activities: Students actively participated in the Online programs conducted by the institution during the pandemic period like Webinar, Online quiz, Technical talk etc.

Extracurricular Activities: Online celebrations were conducted by the institution for the students like Onam celebrations during the pandemic period. Organizing and participating in online celebrations enhances the digital literacy and technological skills among participants. They learned to use various online tools and video conferencing platforms, which are valuable skills in today's digital world. Online celebrations also have a positive impact on mental health improvement during the lockdown period.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria5/Students%20Council%202020.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

37

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni Contribution

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

SNGCE 2014 EEE batch Fahima Backer memorial endowment is awarded to the top scorer in the Electrical and Electronics Engineering branch every year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

VISION

Empowering the masses to achieve economic and social freedom through technical and management education.

MISSION

Prepare students for a career in industry, academia, R&D and government by developing necessary technical capabilities and interpersonal skills in them.

It is commendable that SNGC Trust, through its executive governing body, takes responsibility for establishing effective management and planning for the future development of the college. With the

president of SNGC Trust chairing this body, it shows a commitment to strong leadership at the highest level .Additionally, the Board of Governors plays a crucial role in overseeing and monitoring the overall functioning of the college. This demonstrates a structured and accountable approach to governance.

SNGCE has promoted any significant industrial Research and Development activities in accordance with a vision and mission of the institution, to pursue and promote Research in Frontier Technologies as well as in the various disciplines of Engineering. They handle the various projects and connect with industrial experts in the respective area. They bear a very responsible mission on them.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-1-1_2020-2021_1.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

SNGCE's implementation of decentralization demonstrates effective leadership. By delegating decision-making authority to different levels or departments, SNGCE distributes responsibility and empowers individuals within the organization. This approach enables quicker responses to challenges, as decisions can be made at the appropriate level without relying solely on top-level executives. It fosters a sense of ownership, accountability, and innovation among faculty and staff members. Effective leaders in SNGCE understand the importance of decentralization in facilitating efficient operations and promoting a culture of collaboration and shared responsibility. SNGCE's emphasis on participative management reflects effective leadership. By involving faculty and staff members in the decision-making process, SNGCE recognizes the value of their expertise and perspectives. This approach encourages open communication, collaboration, and the exchange of ideas. Effective leaders in SNGCE actively seek input and involvement from employees, creating a culture of inclusivity and shared ownership. Participative management fosters employee engagement, empowerment, and job satisfaction, ultimately contributing to the institution's success.

In summary, SNGCE's implementation of decentralization and participative management practices demonstrates effective leadership within the institution. These practices foster a culture of shared responsibility, collaboration, and employee engagement, leading to improved outcomes and a positive work environment.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-1-2_2020-2021_1.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The long-term strategic plan, spanning from 2020 to 2030, with the goal of becoming a Centre for Excellence by 2030, provides a clear vision and roadmap for the institution's continuous improvement. It demonstrates the institution's commitment to long-term goals and its ambition to excel in all aspects of education.

The establishment of committees to enhance infrastructure facilities, introduce new courses, and strengthen academic-industry linkages through research, consultancy, and projects is a positive initiative within the strategic plan. These committees can facilitate collaboration, decision-making, and implementation of initiatives aimed at improving the institution's infrastructure, academic offerings, and industry relevance.

Collaboration with stakeholders, including faculty, students, industry partners, and the broader community, is an essential element in achieving the institution's plans and goals. By involving stakeholders in the planning and decision-making processes, the institution can gain valuable insights, support, and resources, which can significantly contribute to the successful implementation of its strategic plan.

In summary, the institution's strategic plan encompasses various aspects such as admissions, teaching and learning, faculty excellence, student outcomes, and infrastructure and e-governance. By addressing these areas and implementing the outlined initiatives, the institution aims to provide quality education, foster growth and excellence, and become a recognized Centre for

Excellence in the future.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-2-1_2020-2021_1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

SNGCE (Sree Narayana Gurukulam College of Engineering), effectively and efficiently operates its institutional bodies through thoughtfully developed policies, a well-organized administrative structure, fair appointment and service rules, and streamlined procedures.

The institution's policies are meticulously crafted to align with its core values and objectives. These policies encompass diverse areas such as academics, admissions, faculty recruitment, student welfare, research, and infrastructure development. They provide clear guidelines that prioritize transparency, accountability, and fairness in decision-making.

SNGCE has established an administrative setup that facilitates smooth operations and effective governance. It maintains a clear hierarchy where administrators, departments, and committees have well-defined roles and responsibilities. This enables efficient coordination, communication, and decision-making processes.

When it comes to appointments and service rules, SNGCE upholds rigorous standards of merit and professionalism. The institution employs a stringent selection process to ensure that qualified faculty members, staff, and administrators are chosen. Performance evaluations are in place to assess and improve the competence and productivity of employees.

In conclusion, SNGCE demonstrates effective and efficient functioning through its carefully formulated policies, well-structured administrative setup, merit-based appointment and service rules, and streamlined procedures. These factors collectively enable the institution to provide quality education,

foster an environment conducive to learning, and effectively serve its stakeholders.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-2-2_2020-2021_1.pdf
Link to Organogram of the institution webpage	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-2-2_2020-2021_2.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

B. Any 3 of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

At SNGCE, various welfare measures are in place to support the well-being of both teaching and non-teaching staff. These measures aim to enhance their work experience and maintain a conducive work environment.

Health Insurance: Comprehensive health insurance coverage is provided to both teaching and non-teaching staff, ensuring their access to medical care and treatments.

Provident Fund: A provident fund scheme is available for employees, helping them build a secure financial future and

savings.

Gratuity: Both teaching and non-teaching staff are entitled to gratuity benefits as a form of recognition for their years of service.

Leave Benefits: Adequate leave allowances, including sick leave, casual leave, and annual leave, are granted

Employee Assistance Program: SNGCE offers counseling services and support through an Employee Assistance Program to address any work-related or personal challenges.

Professional Development: Opportunities for professional growth, workshops, and training programs are provided to enhance the skills and knowledge of all staff.

Subsidized Food and Transport: SNGCE offer subsidized meals and transportation facilities to ensure the convenience of its employees.

Recreational Facilities: Access to recreational amenities like sports facilities or cultural events are available.

Childcare Support: Childcare services or allowances may be provided to assist staff with young children.

Retirement Benefits: SNGCE provides pension or retirement plans for the long-term financial security of its employees after their service tenure.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-3-1_2020-2021_1.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

118

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

At SNGCE, the Performance Appraisal System for both teaching and non-teaching staff is an integral part of the institution's performance management process. Here's an overview of its functioning status:

Regular Evaluation: The Performance Appraisal System is conducted at regular intervals, typically annually or biannually, to ensure a comprehensive assessment of the staff's performance over a specific period.

Objective Criteria: These criteria may include teaching effectiveness, research contributions, administrative efficiency, teamwork, and other relevant factors.

Feedback Mechanism: The system incorporates a feedback mechanism where supervisors and peers provide constructive feedback on the employee's performance.

Goal Setting: Employees are encouraged to set performance goals aligned with the institution's objectives.

Professional Development: The appraisal results serve as a basis for identifying training and development needs for staff members, allowing them to enhance their skills and knowledge.

Rewards and Recognition: High-performing employees are duly recognized and may be rewarded through promotions, salary increments, or other forms of acknowledgment.

Performance Improvement Plans: For employees who may not meet the expected performance standards, the system may devise performance improvement plans to help them reach the desired level of competence.

Fairness and Transparency: The appraisal process emphasizes fairness and transparency, ensuring that evaluations are conducted objectively and without bias.

Continuous Improvement: Regularly reviews and updates the Performance Appraisal System to align with changing organizational goals.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-3-5_2020-2021_1.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

In SNGCE, various internal and external financial audits are carried out annually to ensure transparency, accuracy, and compliance with financial regulations.

Internal Audits: They assess financial records, internal controls, and processes to identify any discrepancies or areas for improvement.

External Audits: External audits are conducted by a reputable external audit firm hired by SNGCE. These audits provide an independent and unbiased evaluation of the institution's financial statements and practices.

Government Audits: SNGCE is subject to audits by government authorities or regulatory bodies to verify compliance with relevant laws, regulations, and funding requirements.

Donor/Grant Audits: If SNGCE receives funding or grants from external donors or agencies, audits may be performed to ensure proper utilization of the funds and adherence to grant-specific

guidelines.

The mechanism for settling audit objections at SNGCE follows a systematic approach:

Audit Report Review: Once the audit is completed, the audit team presents their findings in a detailed report, highlighting any objections or discrepancies identified.

Management Response: SNGCE's management reviews the audit report and provides a formal response, addressing each audit objection and explaining the actions taken or proposed corrective measures.

Resolution Plan: Based on the management response, a resolution plan is formulated to rectify the identified issues and implement necessary changes.

Implementation: The resolution plan is put into action, and the management ensures that the recommended improvements are effectively implemented.

Follow-up Audit: In some cases, a follow-up audit may be conducted to verify the implementation of corrective actions and the resolution of objections.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-4-1_2020-2021_1.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The resource mobilization policy of SNGCE outlines the strategies and procedures employed to secure funds and resources necessary to support the institution's academic and operational requirements. Key components of the resource mobilization policy and procedures are as follows:

Diverse Funding Sources: SNGCE adopts a multi-pronged approach to resource mobilization, seeking funding from various sources such as government grants, tuition fees, corporate sponsorships, donations from alumni and well-wishers, and research grants.

Alumni Engagement: The institution maintains a robust alumni network to foster strong relationships with former students, encouraging their active involvement in supporting the college financially and in other capacities.

Grant Applications: SNGCE actively pursues research grants and projects from government agencies, private foundations, and industry collaborations to support academic and research initiatives.

Corporate Partnerships: The college seeks partnerships with corporate entities for sponsorships, industry collaborations, and infrastructure development, creating a mutually beneficial relationship.

Endowment Fund: SNGCE may establish an endowment fund, accumulating donations and investments to generate a sustainable income stream for long-term financial support.

Transparency and Accountability: The policy emphasizes transparency in financial matters, and proper accounting practices are followed to ensure accountability for the utilization of funds and resources.

Resource Allocation: An efficient resource allocation mechanism is in place to allocate funds to various academic departments and administrative units based on their needs and priorities.

Periodic Review: The policy undergoes periodic review to adapt to changing financial landscapes and align with the institution's evolving needs.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-4-3_2020-2021_1.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC has been instrumental in implementing strategies and processes to ensure quality assurance within the institution. During the COVID-19 period, the IQAC took proactive measures to adapt to the online learning environment. It conducted internal and external academic audits using online platforms to ensure the maintenance of quality standards. By leveraging online modes, the IQAC successfully evaluated the effectiveness of the teaching-learning process and identified areas for improvement.

To ensure quality education in the online mode, the IQAC actively collected feedback from both students and staff. This feedback played a crucial role in assessing the efficacy of the online classes and identifying any challenges or concerns that needed to be addressed. By continuously gathering feedback, the IQAC could promptly address issues, make necessary adjustments, and improve the overall online learning experience.

The IQAC also encouraged the staff and students to make the most of the opportunities provided by online classes and platforms like Google Classroom. By promoting the utilization of online platforms, the IQAC aimed to enhance engagement, collaboration, and interactive learning among students and facilitate effective communication between faculty and students.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-5-1_2020-2021_1.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institution regularly conducts reviews of its teaching-learning process and academic operational methodologies through the Internal Quality Assurance Cell (IQAC).

Academic Audits

The IQAC has adapted to the online learning environment by conducting both internal and external academic audits through online platforms. This shift to online audits was necessitated by the COVID-19 pandemic, which restricted in-person interactions and activities. Despite these challenges, the IQAC ensured the continuity of the audit process by leveraging digital tools and technology.

In the case of internal academic audits, the IQAC utilized online communication and collaboration tools to collect relevant data and information from various departments and stakeholders within the institution. This included reviewing curriculum documents, analyzing course materials, and assessing the quality of teaching and learning practices. Online platforms facilitated the sharing of documents, conducting virtual meetings, and facilitating discussions with faculty members and other relevant staff members. The IQAC could still evaluate adherence to quality standards, identify areas for improvement, and provide valuable feedback remotely.

Feedback System

The IQAC implemented an online feedback collection system to gather valuable insights and opinions from students and staff members. This approach was adopted as a response to the COVID-19 pandemic, which necessitated remote communication and limited in-person interactions. Through the online feedback collection system, the IQAC provided a platform for students and staff to

express their views, experiences, and suggestions related to various aspects of the institution. This could include feedback on teaching methodologies, curriculum, infrastructure, support services, and overall learning environment.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-5-2_2020-2021_1.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-5-3_2020-2021_1.pdf
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Different departments and specially women cell take initiative to organize different programs on gender equity and conduct seminars and meetings for its promotion. The concept of gender equity refers to "fairness of treatment for both women and men, according to

their respective needs. Egalitarianism is practiced in all activities organized by the college for promoting the spirit of equity. College makes use of a fair and transparent recruitment and promotion process for the staff members irrespective of gender. Both male and female students have equal opportunity in placements.

Female faculty members and students play a very active role in the events and fests organized by various committees and clubs of the institution and outside the campus. In the Student Council Elections, the posts of vice chairperson are reserved for women; whereas all other posts are open to all. In order to ensure and promote gender equity in our campus, Women's Cell plans and conducts various programmes targeted at ensuring gender equality in the campus like Training on 'Self Defense' and 'Yoga for Health'. In order to ensure safety and security of our staff and students, CCTV surveillance and 24x7 security guards are available in the campus. Ample college bus facility ensures safe commute for all. For boys and girls, we have separate hostels and strict rules are observed to maintain proper law and order. Girls hostel has a full time female warden, matron and helpers.

File Description	Documents
Annual gender sensitization action plan	https://sngce.ac.in/naac/AQAR/criteria7/C7_7-1-1_2020-2021_1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The college facilitates several techniques for the management of degradable and non-degradable waste. The primary focus is to reduce, reuse and recycle the waste. Different bins have been placed at different departments to collect solid waste. This ensures segregation of solid waste at the source itself. Solid waste including E-waste in the campus is managed by inhouse utilization (organic waste) and by outsourcing its collection and disposal to an authorized agency. The nontoxic biodegradable waste is used in the biogas plant. The slurry from the plant is used in the vegetable garden. Sewage plant is functioning in the college campus for the management of liquid waste. Waste water received is treated in the STPs and used for irrigation of landscaping and gardening within the campus.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles

2. Use of bicycles/ Battery-powered vehicles**3. Pedestrian-friendly pathways****4. Ban on use of plastic****5. Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information :

B. Any 3 of the above

**Human assistance, reader, scribe, soft copies
of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducts several activities that promote ethical, cultural, and spiritual values among the students and staff. Our morning prayer constitutes a few handpicked stanzas from Sree Narayana Guru's Daiva Dasakam. It inculcates a sense of harmony among all. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated in the campus for not only recreation and amusement but also to generate the feeling of oneness and social harmony. Students belonging to different caste, religion, regions are studying in this campus without any discrimination. Besides academic and cultural activities, sports activities are also conducted for the physical development of the students. NSS unit of SNGCE organizes various programmes that provides the staff and students an opportunity to help the society. Thus, the institute provides tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

To infuse young minds with a sense of patriotism and nationalistic feelings SNGCE

celebrates Republic Day and Independence Day every year. Courses like Constitution of India, Life Skills, Professional Ethics and Disaster Management are offered by the institution as part of university curriculum. The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, NSS strengthen the bond and relation. The institution takes pride in raising up successful leaders among the students by conducting the Student Council election every year. The institution conducts orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Constitutional rights, duties are displayed in various locations on the campus. National anthem is compulsorily recited after every official program in our college to instill patriotism in all members in the campus. These are the measures taken by the institute to sensitize the students and employees to the constitutional obligations.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sngce.ac.in/naac/AQAR/criteria7/C7_7-1-9_2020-2021_1.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates national and international commemorative days, events and festivals. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. National festivals play an important role in planting seeds of nationalism and patriotism among people of India. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout. SNGCE celebrated environment day an Onam in online mode due to covid-19 pandemic. Induction programme is also conducted in online mode.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice-I

MENTOR SYSTEM

Objectives:

To achieve a life-oriented education and to improve discipline and human interaction in the campus through the mentoring system

The Context

The institution provides mentoring for the students' overall growth because they come from different socio-economic backgrounds.

The Practice

Each mentor was assigned with approximately 15-20 students to guide them throughout the program.

Evidence of Success:

Improvement in the overall performance of the students.
Establishment of a vibrant relationship between teachers and students which has provided a congenial atmosphere in the campus.

Problems encountered:

Reaching out to each student individually, tracking outcome, lack of motivation among students were some of the problems encountered during the pandemic.

Best Practice II

Social Inclusion in Education

Objectives:

? Ensure access to quality education to students from the socially excluded background.

? Ensure equity in campus

The Context

Social exclusion manifests a pattern, where a small minority of the population enjoys considerable economic and social opportunities.

The Practice

Students irrespective of their background are granted admission to SNGCE. We ensure to admit students following all the reservation rules laid down by the government.

Evidence of Success

Enhanced learning outcomes: Social inclusion led to improved academic performance and skill development

Reduced achievement gap: Since social inclusion in education effectively target and support marginalized students

Increased Graduation Rates: Higher graduation rates for marginalized students is another measure of success

Problems Encountered and Resources Required

leading to demotivation and higher drop out levels

Difficulty in raising the fund to meet the expenditure

File Description	Documents
Best practices in the Institutional website	https://sngce.ac.in/naac/AOAR/criteria7/C7_7-2-1_2020-2021_2.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 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. NSS unit of the college takes several initiatives to serve the society. The program has been successful in promoting environmental awareness and social commitment.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING, affiliated with APJ Abdul Kalam Technological University,

Step 1: Adheres to the university academic calendar for curriculum planning and implementation.

Step 2: The academic year calendar, outlines the curriculum and syllabus, which outline activities of the year and are disseminated to teachers and students.

Step 3: Subject allotment is done well in advance, allowing faculty members to prepare comprehensive course plans and lecture notes.

Step 4: Institution incorporates innovative pedagogical initiatives, such as working models, visual charts, videos, lab experiments, group assignments, quizzes, seminars, presentations, group discussions, flipped classrooms, and bridge courses, to foster active learning and student engagement.

Step 5: It ensures extracurricular activities like sports, cultural activities, community services, education clubs etc..

Step 6: Regular course committee and class committee meetings ensure compliance with the academic calendar.

Step 7: Internal and external academic audits are conducted to ensure the quality of teaching.

Step 8: Feedback from stakeholders, such as students, faculties, alumni, and employers, is analyzed and remedial actions are taken.

Step 9: The next semester plan is prepared based on the course and student inputs

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://sngce.ac.in/naac/AQAR/criterial/C_1_1-1-1_2020-2021_3.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Before the commencement of the academic year, the university publishes an 'Academic calendar' containing 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, Examination committee is formed at the college level which monitors the overall internal assessment process.

The examination committee sends information to the University about students who are appearing for examination. After receiving the enrolled list of students' by the University, the college prepares seating arrangement charts, list of invigilators etc. The record of internal assessment is maintained at college level.

Course instructors prepare CIA question papers based on Bloom's Taxonomy and DQAC, approved by the Department Head. The internal test timetable is published, and post-CIA tests, answer script evaluation, and CO-PO/PSO attainment calculations are carried out by respective instructors. Laboratory courses, project work, seminars, internships, and projects also undergo continuous evaluation. Laboratory internal test is conducted at the end of the semester. All activities adhere to the University's calendar of events except for unforeseen circumstances.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

<p>1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University</p>	<p>A. All of the above</p>								
<table border="1"> <thead> <tr> <th data-bbox="97 689 533 757">File Description</th> <th data-bbox="537 689 1396 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="97 759 533 936">Details of participation of teachers in various bodies/activities provided as a response to the metric</td> <td data-bbox="537 759 1396 936" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="97 938 533 1003">Any additional information</td> <td data-bbox="537 938 1396 1003" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Details of participation of teachers in various bodies/activities provided as a response to the metric	View File	Any additional information	View File			
File Description	Documents								
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File								
Any additional information	View File								
<p>1.2 - Academic Flexibility</p>									
<p>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p>									
<p>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</p>									
<p>9</p>									
<table border="1"> <thead> <tr> <th data-bbox="97 1339 533 1406">File Description</th> <th data-bbox="537 1339 1396 1406">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="97 1408 533 1473">Any additional information</td> <td data-bbox="537 1408 1396 1473" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="97 1476 533 1585">Minutes of relevant Academic Council/ BOS meetings</td> <td data-bbox="537 1476 1396 1585" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="97 1588 533 1686">Institutional data in prescribed format (Data Template)</td> <td data-bbox="537 1588 1396 1686" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	View File	Minutes of relevant Academic Council/ BOS meetings	No File Uploaded	Institutional data in prescribed format (Data Template)	View File	
File Description	Documents								
Any additional information	View File								
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded								
Institutional data in prescribed format (Data Template)	View File								
<p>1.2.2 - Number of Add on /Certificate programs offered during the year</p>									
<p>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</p>									
<p>18</p>									

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

37

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Sree Narayana Gurukulam College of Engineering is adopting APJ Abdul Kalam Technological University's Curriculum. It endeavors to inculcate ethics and values in students' communities to make them better citizens. The program's Curriculum includes courses about professional ethics, gender, human values, environment, and sustainability. Throughout the year, the institution conducts numerous activities, such as workshops, awareness programs, seminars, webinars, etc., to assist in integrating cross-cutting topics into the Curriculum. Gender-based issues addressed through training, social safety, and rights in various initiatives for women's empowerment. Women's cell and internal complaint committee promote and support women's social respect, safety, and rights. SNGCE focuses on professional ethics, instilling ethical norms and values for a peaceful existence. It also provides a standard for professional practice, recommending appropriate technologies and management patterns. Students are encouraged to uphold morality and ethics in their professional practice. Anti-ragging committee has been constituted to handle the ragging issues. Professional counselors provide value-based education and sustainability lessons. Clubs, NSS, and cultural and sports committees enhance

character development and emphasize service, teamwork, and leadership. Blood Donation Camps instil human values.

The Curriculum also includes Environmental Science and Engineering courses, with Eco Club and NSS promoting environmental protection and awareness through various courses.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

37

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

521

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://sngce.ac.in/naac/AQAR/criterial/C1_1-4-1_2020-2021_2.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://sngce.ac.in/naac/AQAR/criterial1/C1_1-4-1_2020-2021_2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

266	
File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)	
2.1.2.1 - Number of actual students admitted from the reserved categories during the year	
102	
File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File
2.2 - Catering to Student Diversity	
2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners	
<p>The College has as one of its goals student success. Towards this end the College through the teaching-learning process in the class helps students attain program outcomes and also the program specific outcomes. The attainment process also includes practical laboratory training, add-on courses, internship, extra-curricular lecture and write-ups. Strong motivation is given to students on doing their best on their final year capstone project. The process begins with a bridge-course on remedial English-language refresher course and mathematics is offered shortly after enrollment and before regular class starts. Assessment during the bridge-program helps teachers identify self-directed or advanced learners and slow-learners.</p> <p>A counselling session is arranged for slow-learners. Special classes on language and mathematical skills are scheduled for slow learners to equip them to cope with the demands of the curriculum successfully. During the course of the semester remedial class is set for slow learners during the week and also on Saturdays. The University also requires College to offer remedial classes to slow learners.</p>	

Where slow learners score low-marks on assignments and tests, they are given more than one opportunity to score higher marks with more assignments and tests. With remedial class, course-materials and required assessments, slow learners are able to score higher marks in the internal evaluation. Slow learners are also mentored by advanced learners of upper semesters.

Advanced learners take honours-courses, which are courses over and above the prescribed curriculum. They are guided to write technical papers for presentation at Conferences. The schemes outlined here have shown good results.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-2-1_AQAR%202020-2021.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
965	145

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

SNGCE believes in adopting student-centric methods to enhance student involvement, participative learning, and problem-solving abilities. Experiential learning is one of the key approaches employed at SNGCE. Project work is an integral component of each program, consisting of both mini projects and major projects. This allows students to gain hands-on experience and apply their knowledge in practical settings. Furthermore, internships and field projects in industries provide students with real-world exposure and a deeper understanding of industry practices. SNGCE also encourages students to participate in competitions at national and international levels, fostering a competitive spirit and

offering real-time exposure.

Participative learning methods are actively encouraged at SNGCE. Teamwork is emphasized through various departmental activities promoting the spirit of collaboration and teamwork among students. Debates are conducted in subjects where students are encouraged to present different perspectives, facilitating argumentative learning and critical thinking. Group work, practicals, and workshops under the guidance of teachers further enhance participative learning experience.

Problem-solving methodology is integrated into the teaching-learning process at SNGCE. Case studies are employed to develop students' logical thinking, practical knowledge and problem-solving abilities. Quizzes are conducted to assess students' understanding, and research activities under the guidance of senior faculty members nurture research aptitude among students.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://sngce.ac.in/naac/AQAR/criteria2/C_2_2-3-1_2020_2021.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Institute understands the importance of equipping students with the latest technologies to ensure their readiness for the corporate world. The institution utilizes a variety of ICT tools to facilitate effective teaching and learning experiences. These tools include:

1. **Projectors:** Institute has projectors installed in different classrooms and labs to enable multimedia presentations and interactive learning.
2. **Desktops:** Computer labs and faculty cabins throughout the campus are equipped with desktop computers and laptops to facilitate technology-based instruction.
3. **Printers:** Printers are available in HOD cabins, and other prominent areas for convenient access to printed materials.

4. Photocopier Machines: The campus is equipped with photocopier machines to facilitate document reproduction and distribution.

5. Seminar Rooms: seminar halls are digitally equipped with facilities for conducting interactive sessions, presentations, and workshops.

6. Smart Board: The institution has installed smart board, providing an interactive platform for engaging and collaborative learning experiences.

7. MOOC Platforms (NPTEL, Coursera, UdeMy etc.): The college encourages students to explore Massive Open Online Courses (MOOCs) to expand their knowledge beyond the curriculum.

8. Digital Library Resources : The institution provides access to digital libraries and online resources to facilitate research and self-study.

Through the effective integration of ICT tools we ensure that students receive a comprehensive and technologically enriched education, preparing them for success in their chosen careers.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

145

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

145

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

16

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1168

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 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.

File Description	Documents
Any additional information	View File
Link for additional information	https://sngce.ac.in/naac/AOAR/criterial/C_1_1-1-2_2020-2021.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

The institution has a well-defined policy and efficient mechanisms to deal with examination-related grievances. The process followed is transparent, and the rectification of grievances is time-bound

- The grievance may be there due to error in question, incomplete question or question being out of syllabus. If any such grievance is reported at the examination hall, then appropriate action is taken by the Controller of Examination.
- The grievance is at first verified with the respective department and necessary action is taken.
- If a student is concerned about the awarded marks, he/she can approach teaching faculty directly, who will handle the grievance. If the student is not satisfied with the

response, he/she can raise his/her concern to the Faculty Advisor. If the student is still unsatisfied, the issue can be taken up with Head of the Department. Grievances that are still unsettled can be brought to the notice of Grievance Redressal and Appeals Committee constituted by the Principal. The Committee can look into any exam related decisions taken by the institute and advice rectifications, if required.

- Students who missed an internal exam can request for retest through Faculty Advisor and Head of the Department

File Description	Documents
Any additional information	View File
Link for additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-5-2_2018-2019-1.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

- Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) for all Programmes are stated and displayed on SNGCE website and communicated to all stakeholders.
- Program Outcomes and Programme Specific Outcomes are displayed at HOD room, Laboratories, Library, seminar halls, department newsletter etc.
- POs, and PSOs are included in the lab manuals, project reports etc.
- The Course outcomes of all the courses are specified in the syllabus prescribed by the university.
- The Head of the Department and the group tutors explain various programme outcomes to students right from the induction meeting

- COs, POs, and PSOs are also included in the course note files.
- Teachers who handle various courses explain course outcomes and relate course outcomes to POs and PSOs.
- Course Outcomes are mentioned in the Lesson plan and internal examination question papers.
- POs, PSOs are discussed in alumni meetings and feedback is collected for PO attainment calculation.
- Faculty members are encouraged to participate in workshops on OBE.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://sngce.ac.in/naac/AQAR/criteria2/C2_2-6-1_2020-2021_1.xlsx
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

COs are evaluated in each semester and POs and PSOs are evaluated every year. Achievement of POs & PSOs is computed for each program considering all COs aligning with each PO & PSO. Achievement of POs is determined by comparing with prefixed targets. Remedial measures are to be taken if the target is not attained.

Measurement is done by direct tools like:

For COs,

(1). Direct Assessment Tools for

- Theory courses:

1. Internal Evaluation Test,

2. Assignments, Tutorials.

- Practical courses

1. Continuous evaluation of experiments, Record and Viva voce

2. Internal Evaluation Test

- Course projects

1. Project review and presentation.

University Examinations

Attainment of CO of all courses against set attainment levels is calculated as

Final CO Attainment = Continuous Internal Evaluation (CIE) * 20/100 + University Attainment(ESE) * 80/100

PO attainment calculation includes both direct and indirect methods. Direct method includes direct CO attainment. Indirect methods includes graduate survey, alumni survey and employer survey. Overall attainments of POs are calculated by taking 80% of direct attainment and 20% of indirect attainment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://sngce.ac.in/naac/AQAR/criteria2/C_2_2-6-2_2020-2021_1.xlsx

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

293

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://sngce.ac.in/naac/AQAR/criteria6/C_6_6-3-4-1_2020-2021_2.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://sngce.ac.in/naac/AQAR/criteria2/Student%20Satisfaction%20Survey%202020-2021.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

2

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

During the academic year 2020-2021, SNG College of Engineering (SNGCE) made significant strides in establishing a vibrant ecosystem for innovations and knowledge transfer. The institution's unwavering commitment to fostering a culture of creativity and research excellence led to remarkable achievements among students and faculty.

SNGCE provided cutting-edge proactive labs and innovation cells, promoting interdisciplinary collaboration and enabling students to explore groundbreaking ideas. Dynamic events like hackathons, innovation challenges, and design thinking workshops nurtured students' problem-solving skills and entrepreneurial mindset.

Emphasizing knowledge transfer, SNGCE encouraged faculty and students to publish their research in reputed journals and

participate in esteemed conferences, reaching a wider academic audience.

Collaborations with industry partners facilitated practical applications of research outcomes, resulting in technology transfers and contributions to societal growth. The active Incubation Center supported students with innovative business ideas through mentorship and financial assistance.

In conclusion, SNGCE's initiatives during 2020-2021 fostered a thriving ecosystem for innovations and knowledge transfer. The college's dedication to creativity, research excellence, and entrepreneurship empowered students and faculty to make significant strides and positively impact the engineering landscape.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria3/C3_3-2-1_2018-2022_RIE_Facilitis_1.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

21

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

2

File Description	Documents
URL to the research page on HEI website	https://www.sngce.ac.in/research.php?id=MjU=
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

19

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

11

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

During the academic year 2020-2021, SNG College of Engineering (SNGCE) actively engaged in extension activities within the neighbourhood community, sensitizing students to social issues and promoting their holistic development. These initiatives had a significant impact on both students and the community.

The college conducted an NSS Orientation Class, raising awareness about the National Service Scheme's values. COVID-19 awareness programs educate students and the community about preventive measures and safety protocols.

Environmental Day 2020 and "Yoga at Home, Yoga with Family" promoted environmental conservation and physical/mental well-being during the pandemic.

A "Breastfeeding Awareness Camp" and a "Webinar on Maintaining Health During Lockdown" addressed health concerns, while NSS Day Celebration emphasized community service's significance.

A "Fitness Program Report" showcased the college's commitment to physical well-being.

"National Constitution Day Pledge and Preamble" reaffirmed democratic values and patriotism.

"World AIDS Day Awareness" and "No Drugs Awareness Pledge 2021" focused on spreading awareness about health issues.

"Menstrual Awareness Week and Nutrition Iron Folic Tablet Health Care" highlighted the importance of menstrual health and proper nutrition.

Republic Day Celebration and the "Swatch Bharath" (Clean India) campaign promoted national pride and cleanliness.

"Webinars on Cancer Prevention" aimed to educate the community about preventive measures.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria3/C3_3-4-1_2020-2021_EA_1.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

2

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

19

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1164

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

2

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

2

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institution is spread over 25 acres of land in the outskirts of Kochi. The topographical location provides excellent ambience conducive for an effective teaching learning process. The college is provided with spacious well furnished classrooms with ultra modern facilities. All the laboratories are provided with state of art equipment like computer lab, Internet center, Language lab and Digital library. All the rooms are adequately furnished with comfortable seating and ergonomic furniture. Classrooms are well spaced, fully furnished, numbered based on block name and provided with sufficient light, fans, chairs and table for teachers, three seated benches with sufficient leg space etc. Air conditioned seminar halls equipped with LED projector, screen and public addressing system. Smart classes, tutorial rooms are provided in the college. Electronic resources management packages for E-Journals subscribe to AICTE mandatory like IEEE, Science Direct, Emerald Etc. Both faculty and students can access E Publications. College has D Space(Gurukulam Digital Repository) which collects ,preserves and distributes digital material to a worldwide audience. LAN facility is provided in all computer labs. ICT Resources enhance the teaching and develop presentations as a computer aided teaching material. Many modern instruments are available in the laboratories for developing practical intelligence in students and students are doing their project as well and labs are provided with intercom facilities. Students supporting services such as facilities for photocopying and stores for stationery and textbooks are made available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-1-1_2020-2021.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Along with state of the art equipment and infrastructure for fulfilling the program - specific curriculum, SNGCE promotes sports and games culture on campus. The institution has a physical education department which provides the facilities for almost all the track and field events and games in the campus itself. Extra curricular activities include sports, outdoor and indoor games, gymnasiums, NSS, cultural activities, communication skill development, yoga ,health and hygiene etc.The outdoor facilities include athletic grounds, football fields, cricket pitch, volleyball, kho-kho etc. Staff recreation club is constituted in college for faculties who enthusiastically take part in sports events such as cricket, football, volleyball, badminton, caroms, chess etc. College has a multi-specialty Gymnasium which covers about 504 sq.ft. A one-of-a-kind fitness centre with the latest equipment and workout machine is established within the campus.

Cultural Activities

With an aim to promote interest in arts and literature, the arts club functions under the auspices of the college council. ARANGU - the annual intra- collegiate arts festival of SNGCE is organized for showcasing the talents and potentials of students. Students are organizing and participating in many cultural activities like group dance, group songs, skits etc., during arts day held every year in the college. Students enthusiastically participate in University arts festivals and other inter-collegiate competitions where they battled out and won many prizes. Following clubs were formed under club activities; Literary Club, Quiz club, Film Appreciation club & Painting Club.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria4/4-1-2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

1

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-1-3_2020-2021_2.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

57.13

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- Name of ILMS software - Topscore Solution
- Nature of automation (fully or partially) - Fully automated
- Version - Library Ex.plus
- Year of Automation - 2009

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-2-1_2020-2021.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	E. None of the above
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File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0.19

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

89

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Sree Narayana Gurukulam College of Engineering maintains a well equipped Central Computer Centre in addition to various labs in various departments, and every year, the number of computers, printers and associated facilities are increased step by step in order to cater to the needs of the increased number of students. Currently we have 980 computers located in the Central Computer Lab and different Laboratories, staff rooms, offices, etc. with proportionate printers and servers. Also, we have tie-ups with IT industries such as Infosys Technologies Campus Connect Programme. All servers have been centrally housed in the new Data Centre for ease of management and security. Two new Sun Fire V440 servers are added to the already existing assets of three HP Proliant Servers and two Acer Servers. A computer Aided Design and Analysis lab has been set up with 45 Dell Precision Workstations. Server Edition of AutoCAD, ProE WildFire ANSYS, Iron CAD, Stadd Pro, Nastran, Primavera software are installed to meet growing challenges of the industry. The seminar hall is equipped with a video conferencing facility and internet connectivity. The IT centre in the institute provides 24 hour internet services on campus in hostels through Wi-Fi and LAN with a total bandwidth of around 100 Mbps. Some of our classrooms have LCD projectors. The students are encouraged to give seminar talks using ICT Resources. The computer faculty is rendering the role of the facilitator for the students in preparing teaching learning material with the help of online teaching and independent learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria4/C4_4-3-1_2020-2021.pdf

4.3.2 - Number of Computers

600

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

120.12

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Infrastructure

Based on AICTE requirements and Kerala Technological University guidelines, essential infrastructure is identified and provided. They include:

- a) Spacious buildings with well-furnished lecture halls, seminar halls, playgrounds and associated utilities.
- b) Well-equipped laboratories/workshops, library, audio-visual aids and internet facility.
- c) Supporting services such as fleet of transport, sports facilities, hostels, canteen facility, communication system, etc. are provided.

Maintenance Record:

A register is maintained for recording all maintenance tasks at every lab./workshop.

Calibration

Every equipment needing calibration is identified with a unique number. Calibration is carried out as per the prepared plan, either internally or externally.

Sports Activities:

Physical education lecturer prepares the calendar for the sports and games activities. He arranges the preparation of the facilities, procurement of the kit and organizes regular practice by selected participant. Physical education lecturer maintains a list of talented sports person based on earlier performances within and outside the college. As and when inter-collegiate/inter university sports and games activities are announced, the Principal directs the Physical education lecturer to initiate necessary actions who in turn selects the team and arranges for the necessary coaching.

Cultural activity coordinator prepares the budget in consultation with the Staff adviser, for hosting cultural events within the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria4/C4_4-4-2_2020-2021.pdf

STUDENT SUPPORT AND PROGRESSION	
5.1 - Student Support	
5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
105	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File
5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year	
5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year	
265	
File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and	A. All of the above

hygiene) ICT/computing skills	
File Description	Documents
Link to Institutional website	https://sngce.ac.in/naac/AOAR/criteria5/C5_5-1-3_2020-2021_1.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
679	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
679	
File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

107

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

14

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State

government examinations)**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

9

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Students' representation and engagement in administrative, co-curricular, and extracurricular activities contribute to their

holistic development, helping them acquire valuable skills and cultivate a sense of belonging within the educational community. Their roles in various activities are as follows:

Administrative Activities: Class representatives provided their support for the smooth conduct of online classes during the pandemic period.

Co-curricular Activities: Students actively participated in the Online programs conducted by the institution during the pandemic period like Webinar, Online quiz, Technical talk etc.

Extracurricular Activities: Online celebrations were conducted by the institution for the students like Onam celebrations during the pandemic period. Organizing and participating in online celebrations enhances the digital literacy and technological skills among participants. They learned to use various online tools and video conferencing platforms, which are valuable skills in today's digital world. Online celebrations also have a positive impact on mental health improvement during the lockdown period.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria5/Students%20Council%202020.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

37

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni Contribution

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

SNGCE 2014 EEE batch Fahima Backer memorial endowment is awarded to the top scorer in the Electrical and Electronics Engineering branch every year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

VISION

Empowering the masses to achieve economic and social freedom through technical and management education.

MISSION

Prepare students for a career in industry, academia, R&D and government by developing necessary technical capabilities and interpersonal skills in them.

It is commendable that SNGC Trust, through its executive governing body, takes responsibility for establishing effective management and planning for the future development of the college. With the president of SNGC Trust chairing this body, it shows a commitment to strong leadership at the highest level. Additionally, the Board of Governors plays a crucial role in overseeing and monitoring the overall functioning of the college. This demonstrates a structured and accountable approach to governance.

SNGCE has promoted any significant industrial Research and

Development activities in accordance with a vision and mission of the institution, to pursue and promote Research in Frontier Technologies as well as in the various disciplines of Engineering. They handle the various projects and connect with industrial experts in the respective area. They bear a very responsible mission on them.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-1-1_2020-2021_1.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

SNGCE's implementation of decentralization demonstrates effective leadership. By delegating decision-making authority to different levels or departments, SNGCE distributes responsibility and empowers individuals within the organization. This approach enables quicker responses to challenges, as decisions can be made at the appropriate level without relying solely on top-level executives. It fosters a sense of ownership, accountability, and innovation among faculty and staff members. Effective leaders in SNGCE understand the importance of decentralization in facilitating efficient operations and promoting a culture of collaboration and shared responsibility. SNGCE's emphasis on participative management reflects effective leadership. By involving faculty and staff members in the decision-making process, SNGCE recognizes the value of their expertise and perspectives. This approach encourages open communication, collaboration, and the exchange of ideas. Effective leaders in SNGCE actively seek input and involvement from employees, creating a culture of inclusivity and shared ownership. Participative management fosters employee engagement, empowerment, and job satisfaction, ultimately contributing to the institution's success.

In summary, SNGCE's implementation of decentralization and participative management practices demonstrates effective leadership within the institution. These practices foster a culture of shared responsibility, collaboration, and employee engagement, leading to improved outcomes and a positive work environment.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-1-2_2020-2021_1.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The long-term strategic plan, spanning from 2020 to 2030, with the goal of becoming a Centre for Excellence by 2030, provides a clear vision and roadmap for the institution's continuous improvement. It demonstrates the institution's commitment to long-term goals and its ambition to excel in all aspects of education.

The establishment of committees to enhance infrastructure facilities, introduce new courses, and strengthen academic-industry linkages through research, consultancy, and projects is a positive initiative within the strategic plan. These committees can facilitate collaboration, decision-making, and implementation of initiatives aimed at improving the institution's infrastructure, academic offerings, and industry relevance.

Collaboration with stakeholders, including faculty, students, industry partners, and the broader community, is an essential element in achieving the institution's plans and goals. By involving stakeholders in the planning and decision-making processes, the institution can gain valuable insights, support, and resources, which can significantly contribute to the successful implementation of its strategic plan.

In summary, the institution's strategic plan encompasses various aspects such as admissions, teaching and learning, faculty excellence, student outcomes, and infrastructure and e-governance. By addressing these areas and implementing the outlined initiatives, the institution aims to provide quality education, foster growth and excellence, and become a recognized Centre for Excellence in the future.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-2-1_2020-2021_1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

SNGCE (Sree Narayana Gurukulam College of Engineering), effectively and efficiently operates its institutional bodies through thoughtfully developed policies, a well-organized administrative structure, fair appointment and service rules, and streamlined procedures.

The institution's policies are meticulously crafted to align with its core values and objectives. These policies encompass diverse areas such as academics, admissions, faculty recruitment, student welfare, research, and infrastructure development. They provide clear guidelines that prioritize transparency, accountability, and fairness in decision-making.

SNGCE has established an administrative setup that facilitates smooth operations and effective governance. It maintains a clear hierarchy where administrators, departments, and committees have well-defined roles and responsibilities. This enables efficient coordination, communication, and decision-making processes.

When it comes to appointments and service rules, SNGCE upholds rigorous standards of merit and professionalism. The institution employs a stringent selection process to ensure that qualified faculty members, staff, and administrators are chosen. Performance evaluations are in place to assess and improve the competence and productivity of employees.

In conclusion, SNGCE demonstrates effective and efficient functioning through its carefully formulated policies, well-structured administrative setup, merit-based appointment and service rules, and streamlined procedures. These factors collectively enable the institution to provide quality

education, foster an environment conducive to learning, and effectively serve its stakeholders.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-2-2_2020-2021_1.pdf
Link to Organogram of the institution webpage	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-2-2_2020-2021_2.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

B. Any 3 of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

At SNGCE, various welfare measures are in place to support the well-being of both teaching and non-teaching staff. These measures aim to enhance their work experience and maintain a conducive work environment.

Health Insurance: Comprehensive health insurance coverage is provided to both teaching and non-teaching staff, ensuring their access to medical care and treatments.

Provident Fund: A provident fund scheme is available for employees, helping them build a secure financial future and

savings.

Gratuity: Both teaching and non-teaching staff are entitled to gratuity benefits as a form of recognition for their years of service.

Leave Benefits: Adequate leave allowances, including sick leave, casual leave, and annual leave, are granted

Employee Assistance Program: SNGCE offers counseling services and support through an Employee Assistance Program to address any work-related or personal challenges.

Professional Development: Opportunities for professional growth, workshops, and training programs are provided to enhance the skills and knowledge of all staff.

Subsidized Food and Transport: SNGCE offer subsidized meals and transportation facilities to ensure the convenience of its employees.

Recreational Facilities: Access to recreational amenities like sports facilities or cultural events are available.

Childcare Support: Childcare services or allowances may be provided to assist staff with young children.

Retirement Benefits: SNGCE provides pension or retirement plans for the long-term financial security of its employees after their service tenure.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-3-1_2020-2021_1.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

7

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

118

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

At SNGCE, the Performance Appraisal System for both teaching and non-teaching staff is an integral part of the institution's performance management process. Here's an overview of its functioning status:

Regular Evaluation: The Performance Appraisal System is conducted at regular intervals, typically annually or biannually, to ensure a comprehensive assessment of the staff's performance over a specific period.

Objective Criteria: These criteria may include teaching effectiveness, research contributions, administrative efficiency, teamwork, and other relevant factors.

Feedback Mechanism: The system incorporates a feedback mechanism where supervisors and peers provide constructive feedback on the employee's performance.

Goal Setting: Employees are encouraged to set performance goals aligned with the institution's objectives.

Professional Development: The appraisal results serve as a basis for identifying training and development needs for staff members, allowing them to enhance their skills and knowledge.

Rewards and Recognition: High-performing employees are duly recognized and may be rewarded through promotions, salary increments, or other forms of acknowledgment.

Performance Improvement Plans: For employees who may not meet the expected performance standards, the system may devise performance improvement plans to help them reach the desired level of competence.

Fairness and Transparency: The appraisal process emphasizes fairness and transparency, ensuring that evaluations are conducted objectively and without bias.

Continuous Improvement: Regularly reviews and updates the Performance Appraisal System to align with changing organizational goals.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C6_6-3-5_2020-2021_1.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

In SNGCE, various internal and external financial audits are carried out annually to ensure transparency, accuracy, and compliance with financial regulations.

Internal Audits: They assess financial records, internal controls, and processes to identify any discrepancies or areas for improvement.

External Audits: External audits are conducted by a reputable external audit firm hired by SNGCE. These audits provide an independent and unbiased evaluation of the institution's financial statements and practices.

Government Audits: SNGCE is subject to audits by government authorities or regulatory bodies to verify compliance with relevant laws, regulations, and funding requirements.

Donor/Grant Audits: If SNGCE receives funding or grants from external donors or agencies, audits may be performed to ensure proper utilization of the funds and adherence to grant-specific

guidelines.

The mechanism for settling audit objections at SNGCE follows a systematic approach:

Audit Report Review: Once the audit is completed, the audit team presents their findings in a detailed report, highlighting any objections or discrepancies identified.

Management Response: SNGCE's management reviews the audit report and provides a formal response, addressing each audit objection and explaining the actions taken or proposed corrective measures.

Resolution Plan: Based on the management response, a resolution plan is formulated to rectify the identified issues and implement necessary changes.

Implementation: The resolution plan is put into action, and the management ensures that the recommended improvements are effectively implemented.

Follow-up Audit: In some cases, a follow-up audit may be conducted to verify the implementation of corrective actions and the resolution of objections.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C_6_6-4-1_2020-2021_1.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The resource mobilization policy of SNGCE outlines the strategies and procedures employed to secure funds and resources necessary to support the institution's academic and operational requirements. Key components of the resource mobilization policy and procedures are as follows:

Diverse Funding Sources: SNGCE adopts a multi-pronged approach to resource mobilization, seeking funding from various sources such as government grants, tuition fees, corporate sponsorships, donations from alumni and well-wishers, and research grants.

Alumni Engagement: The institution maintains a robust alumni network to foster strong relationships with former students, encouraging their active involvement in supporting the college financially and in other capacities.

Grant Applications: SNGCE actively pursues research grants and projects from government agencies, private foundations, and industry collaborations to support academic and research initiatives.

Corporate Partnerships: The college seeks partnerships with corporate entities for sponsorships, industry collaborations, and infrastructure development, creating a mutually beneficial relationship.

Endowment Fund: SNGCE may establish an endowment fund, accumulating donations and investments to generate a sustainable income stream for long-term financial support.

Transparency and Accountability: The policy emphasizes transparency in financial matters, and proper accounting

practices are followed to ensure accountability for the utilization of funds and resources.

Resource Allocation: An efficient resource allocation mechanism is in place to allocate funds to various academic departments and administrative units based on their needs and priorities.

Periodic Review: The policy undergoes periodic review to adapt to changing financial landscapes and align with the institution's evolving needs.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C_6_6-4-3_2020-2021_1.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC has been instrumental in implementing strategies and processes to ensure quality assurance within the institution. During the COVID-19 period, the IQAC took proactive measures to adapt to the online learning environment. It conducted internal and external academic audits using online platforms to ensure the maintenance of quality standards. By leveraging online modes, the IQAC successfully evaluated the effectiveness of the teaching-learning process and identified areas for improvement.

To ensure quality education in the online mode, the IQAC actively collected feedback from both students and staff. This feedback played a crucial role in assessing the efficacy of the online classes and identifying any challenges or concerns that needed to be addressed. By continuously gathering feedback, the IQAC could promptly address issues, make necessary adjustments, and improve the overall online learning experience.

The IQAC also encouraged the staff and students to make the most of the opportunities provided by online classes and platforms like Google Classroom. By promoting the utilization of online platforms, the IQAC aimed to enhance engagement, collaboration, and interactive learning among students and facilitate effective communication between faculty and

students.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AOAR/criteria6/C6_6-5-1_2020-2021_1.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institution regularly conducts reviews of its teaching-learning process and academic operational methodologies through the Internal Quality Assurance Cell (IQAC).

Academic Audits

The IQAC has adapted to the online learning environment by conducting both internal and external academic audits through online platforms. This shift to online audits was necessitated by the COVID-19 pandemic, which restricted in-person interactions and activities. Despite these challenges, the IQAC ensured the continuity of the audit process by leveraging digital tools and technology.

In the case of internal academic audits, the IQAC utilized online communication and collaboration tools to collect relevant data and information from various departments and stakeholders within the institution. This included reviewing curriculum documents, analyzing course materials, and assessing the quality of teaching and learning practices. Online platforms facilitated the sharing of documents, conducting virtual meetings, and facilitating discussions with faculty members and other relevant staff members. The IQAC could still evaluate adherence to quality standards, identify areas for improvement, and provide valuable feedback remotely.

Feedback System

The IQAC implemented an online feedback collection system to gather valuable insights and opinions from students and staff members. This approach was adopted as a response to the COVID-19 pandemic, which necessitated remote communication and

limited in-person interactions. Through the online feedback collection system, the IQAC provided a platform for students and staff to express their views, experiences, and suggestions related to various aspects of the institution. This could include feedback on teaching methodologies, curriculum, infrastructure, support services, and overall learning environment.

File Description	Documents
Paste link for additional information	https://sngce.ac.in/naac/AQAR/criteria6/C_6_6-5-2_2020-2021_1.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://sngce.ac.in/naac/AQAR/criteria6/C_6_6-5-3_2020-2021_1.pdf
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Different departments and specially women cell take initiative to organize different programs on gender equity and conduct seminars and meetings for its promotion. The concept of gender equity refers to "fairness of treatment for both women and men, according to their respective needs. Egalitarianism is practiced in all activities organized by the college for promoting the spirit of equity. College makes use of a fair and transparent recruitment and promotion process for the staff members irrespective of gender. Both male and female students have equal opportunity in placements.

Female faculty members and students play a very active role in the events and fests organized by various committees and clubs of the institution and outside the campus. In the Student Council Elections, the posts of vice chairperson are reserved for women; whereas all other posts are open to all. In order to ensure and promote gender equity in our campus, Women's Cell plans and conducts various programmes targeted at ensuring gender equality in the campus like Training on 'Self Defense' and 'Yoga for Health'. In order to ensure safety and security of our staff and students, CCTV surveillance and 24x7 security guards are available in the campus. Ample college bus facility ensures safe commute for all. For boys and girls, we have separate hostels and strict rules are observed to maintain proper law and order. Girls hostel has a full time female warden, matron and helpers.

File Description	Documents
Annual gender sensitization action plan	https://sngce.ac.in/naac/AQAR/criteria7/C7_7-1-1_2020-2021_1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The college facilitates several techniques for the management of degradable and non-degradable waste. The primary focus is to reduce, reuse and recycle the waste. Different bins have been placed at different departments to collect solid waste. This ensures segregation of solid waste at the source itself. Solid waste including E-waste in the campus is managed by inhouse utilization (organic waste) and by outsourcing its collection and disposal to an authorized agency. The nontoxic biodegradable waste is used in the biogas plant. The slurry from the plant is used in the vegetable garden. Sewage plant is functioning in the college campus for the management of liquid waste. Waste water received is treated in the STPs and used for irrigation of landscaping and gardening within the campus.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built

B. Any 3 of the above

environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducts several activities that promote ethical, cultural, and spiritual values among the students and staff. Our morning prayer constitutes a few handpicked stanzas from Sree Narayana Guru's Daiva Dasakam. It inculcates a sense of harmony among all. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated in the campus for not only recreation and amusement but also to generate the feeling of oneness and social harmony. Students belonging to different caste, religion, regions are studying in this campus without any discrimination. Besides academic and cultural activities, sports activities are also conducted for the physical development of the students. NSS unit of SNGCE organizes various programmes that provides the staff and students an opportunity to help the society. Thus, the institute provides tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

To infuse young minds with a sense of patriotism and nationalistic feelings SNGCE

celebrates Republic Day and Independence Day every year. Courses like Constitution of India, Life Skills, Professional Ethics and Disaster Management are offered by the institution as part of university curriculum. The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, NSS strengthen the bond and relation. The institution takes pride in raising up successful leaders among the students by conducting the Student Council election every year. The institution conducts orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Constitutional rights, duties are displayed in various locations on the campus. National anthem is compulsorily recited after every official program in our college to instill patriotism in all members in the campus. These are the measures taken by the institute to sensitize the students and employees to the constitutional obligations.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sngce.ac.in/naac/AQAR/criteria7/C7_7-1-9_2020-2021_1.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers,

B. Any 3 of the above

administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates national and international commemorative days, events and festivals. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. National festivals play an important role in planting seeds of nationalism and patriotism among people of India. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout. SNGCE celebrated environment day an Onam in online mode due to covid-19 pandemic. Induction programme is also conducted in online mode.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice-I

MENTOR SYSTEM

Objectives:

To achieve a life-oriented education and to improve discipline and human interaction in the campus through the mentoring system

The Context

The institution provides mentoring for the students' overall growth because they come from different socio-economic backgrounds.

The Practice

Each mentor was assigned with approximately 15-20 students to guide them throughout the program.

Evidence of Success:

Improvement in the overall performance of the students.
Establishment of a vibrant relationship between teachers and students which has provided a congenial atmosphere in the campus.

Problems encountered:

Reaching out to each student individually, tracking outcome,

lack of motivation among students were some of the problems encountered during the pandemic.

Best Practice II

Social Inclusion in Education

Objectives:

? Ensure access to quality education to students from the socially excluded background.

? Ensure equity in campus

The Context

Social exclusion manifests a pattern, where a small minority of the population enjoys considerable economic and social opportunities.

The Practice

Students irrespective of their background are granted admission to SNGCE. We ensure to admit students following all the reservation rules laid down by the government.

Evidence of Success

Enhanced learning outcomes: Social inclusion led to improved academic performance and skill development

Reduced achievement gap: Since social inclusion in education effectively target and support marginalized students

Increased Graduation Rates: Higher graduation rates for marginalized students is another measure of success

Problems Encountered and Resources Required

leading to demotivation and higher drop out levels

Difficulty in raising the fund to meet the expenditure

File Description	Documents
Best practices in the Institutional website	https://sngce.ac.in/naac/AQAR/criteria7/C_7_7-2-1_2020-2021_2.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 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. NSS unit of the college takes several initiatives to serve the society. The program has been successful in promoting environmental awareness and social commitment.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- **Preparation for NBA Accreditation:** SNGCE has to prepare for the accreditation of NBA for two departments. The department of Computer Science and Engineering as well as the department of Naval Architecture and Ship Building are planning to submit SAR in the coming academic year.
- **Apply for more research projects:** To improve the quality of research, we need to apply for more funded research projects.
- **Excel in the Placement Process:** More specialized training programmes are anticipated for the students in order to support them to excel in the placement process.
- **Academic and non-academic Support to Students:** Provide necessary support to the needed students at the period of Pandemic.
- **Activities to overcome Pandemic:** Make stronger NSS activities exclusively to exhaust the Covid-19 pandemic.
- **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.