



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

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

Pincode	682311																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. Satheeshbabu P K																		
Phone no/Alternate Phone no.	04842597800																		
Mobile no.	9946063772																		
Registered Email	iqac.sngce@gmail.com																		
Alternate Email	iqac@sngce.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://sngce.ac.in/user/files/AQAR17-18.pdf">http://sngce.ac.in/user/files/AQAR17-18.pdf</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://sngce.ac.in/iqac.php?id=MTgx&amp;p=S VFBQw==&amp;k=1">http://sngce.ac.in/iqac.php?id=MTgx&amp;p=S VFBQw==&amp;k=1</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.63</td> <td>2015</td> <td>14-Sep-2015</td> <td>13-Sep-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.63	2015	14-Sep-2015	13-Sep-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.63	2015	14-Sep-2015	13-Sep-2020														
<b>6. Date of Establishment of IQAC</b>	06-Jan-2014																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by	Date & Duration		Number of participants/ beneficiaries																

IQAC		
Hands on training on Introduction to Advanced Excel	06-Jul-2018 1	93

L::asset('/', 'public/').'/public/index.php/admin/get\_file?file\_path='.encrypt('Postacc/Special\_Status/'. \$instdata->upload\_special\_status)}}}

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

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	NA	Nil	2019 0	0
No Files Uploaded !!!				

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

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

4

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

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

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

No

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

Conducted Class committee and Course committee meetings.

Organized induction programme for newly joined students.

Carried out academic and administrative audits.

Academic progress monitoring .

Collected feedback on all courses.

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

Plan of Action	Achivements/Outcomes
Quality improvement programmes for Students	One week induction programme for first year students has been conducted
Academic and Administrative audits	Quality of teaching learning process was ensured by conducting academic audits
Collection of feedback from students on all courses	Collected feedback on all courses
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Body	10-Jun-2019

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

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2019

Date of Submission

21-Feb-2019

**17. Does the Institution have Management Information System ?**

Yes

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

The institution has its own management system developed internally for the institution to manage general administration, academic records of students including feedback reports. There is an attendance module for the students named "Gurudeepam" in the institution. There is a fingerprint biometric system to mark the attendance of all faculty members in the institution. The institution has a dspace and Moodle platform to share lecture notes, question banks and other

## Part B

**CRITERION I – CURRICULAR ASPECTS****1.1 – Curriculum Planning and Implementation**

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

APJ Abdul Kalam Technological University (APJKTU) prepares an academic calendar that details the activities for the semester and schedules internal and end semester exams. Step 1: The institution follows the annual academic calendar. Step 2 : Subject allotment is done in advance for staff members to prepare course plans and lecture notes. Step 3: A timetable committee is formed to prepare the time table, and a course diary is maintained for each course. Step 4: A detailed course plan is prepared before the semester commences, including course outcomes, teaching methods, assessment methods, and learning resources. Step 5: A course diary is maintained for attendance, progress, and examination marks. Step 6: Additional instructive initiatives, such as working models, visual charts, videos, and lab experiments, are also implemented. Step 7: Adherence to the academic calendar is verified through course committee meetings, an internal audit cell, and an external audit from the university. Step 8: Feedbacks were collected from stakeholders such as Student, Faculty , Alumni and Employer ,analyzed and remedial actions are taken. Step 9: Quality of curriculum delivery and implementation is assured by internal and external audits at the level of IQAC, University (KTU Audit) and ISO Audit. SNGCE follows the calendar issued by the University and plans all its activities. Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the commencement date, the total number of working days and holidays, the last working day of the semester, Continuous Internal Evaluation(CIE )dates and dates for semester-end examinations. Every department prepares an activity calendar which comprises guest lectures, workshops, industrial visits, and other co-curricular and extra-curricular activities. Faculty members plan course delivery, research work, and co-curricular activities using academic calendars, with department heads overseeing syllabus completion and ensuring members adhere to schedules. CIA tests, assignments, and seminars are part of Continuous Internal Evaluation (CIE) for students. 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. Per the laboratory rubrics, the internal test is conducted at the end of the semester. The academic activities, CIE, and all activities adhere to the University's calendar of events except for unforeseen circumstances.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Analysis of structures using STRAP	Nil	20/05/2018	5	Employability	Skill Development
PHP Basics	Nil	16/10/2018	5	Employability	Skill

and Beyond					ity	Development
Digital Image Processing, Pattern Recognition and Computer Vision using MATLAB	Nil	09/02/2019	5		Employability	Skill Development
Add on automation in manufacturing	Nil	15/01/2019	5		Employability	Skill Development
Add on-Electrical System Design	Nil	03/07/2018	5		Employability	Skill Development
Basic Drawing and Practice	Nil	07/09/2018	5		Employability	Skill Development
Python by LCC Computer Education	Nil	09/02/2019	30		Employability	Skill Development
AutoCAD by G Tec Computer Education	Nil	14/01/2019	60		Employability	Skill Development
Introduction to Programming	Nil	02/08/2018	5		Employability	Skill Development
AutoCAD - 2D Drafting Plotting	Nil	13/07/2018	100		Entrepreneurship	Skill Development

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CIVIL ENGINEERING	01/08/2018
BTech	MECHANICAL ENGINEERING	01/08/2018
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	01/08/2018
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	01/08/2018

BTech	COMPUTER SCIENCE AND ENGINEERING	01/08/2018
BTech	NAVAL ARCHITECTURE AND SHIP BUILDING	01/08/2018
MBA	MANAGEMENT STUDIES	01/08/2018
MCA	MASTERS IN COMPUTER APPLICATIONS	01/08/2018
Mtech	STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT	01/08/2018

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

	Certificate	Diploma Course
Number of Students	0	0

## 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Analysis of structures using STRAP	20/05/2018	12
Analysis of structures using ANSYS WORKBENCH	08/12/2018	12
Total Station	09/10/2018	90
Basic Drawing and Practice	07/09/2018	19
Introductory course on MS excel	01/07/2018	55
Aptitude training	20/10/2018	103
Add on automation in manufacturing	15/01/2019	60
Add on-Aptitude Essentials	30/08/2018	13
Add on-Aptitude Accelerate	13/07/2018	23
List attached for remaining courses	01/08/2018	0
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Electrical and Electronics Engineering	4
BTech	List attached for remaining courses	791
<a href="#">View Uploaded File</a>		

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

**REPORT ON FEEDBACK ANALYSIS INTRODUCTION** Feedback is an essential part of our continuous endeavour to overcome challenges, achieve excellence in teaching and learning process, and identify areas for further development. This report focuses on the feedback received from students, teachers, alumnae and employers. Objectives of the Feedback: To understand the expectations of the industry and cater for the needs of the industry by creating competencies that required for the industry through academic learning To know the fundamental requirement of the current scenario and reduce the gap between market demand and supply of candidates who can cater to the needs of the industry. To understand the real challenges faced by the alums while working in the industry and practical exposure through syllabus learning To provide necessary changes for upgrading the syllabus based on their expertise and teaching enrichment while carrying out the process of teaching-learning. To provide necessary upgrading in the content of the syllabus, current trends in various areas of management and reduce the outdated portion of the syllabus from the curriculum

**Feedback Collected from the stakeholders:**

1. Students: Collection of feedback from the students are carried out every semester
2. Alumni: Alumni feedback collected after every alumni meet and whenever alumni interact with institute about satisfaction and expectations about syllabus.
3. Faculty: Feedback for revision of syllabus is carried out after two years before actual revision of syllabus.
4. Employers: Feedback for revision of syllabus is carried out after two years before actual revision of syllabus.

**Classification of Feedback of the stakeholders:**

1. Collection of feedback
2. Analysis of feedback
3. Action taken
4. Communication and availability of feedback (In academic file and on website)

**Summary of feedback taken from various stakeholders** Feedback was taken from shareholders based on a questionnaire which consisted of the basis of Design review of Syllabus of university.

**STUDENT'S FEEDBACK:** The Students' Feedback of SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING is designed to assess students' perception of the curriculum regarding design and delivery, teachers' commitment and efforts, and students' overall learning experience. 66 student feedback responses were received for the academic year 2021-22 by the end of the academic session. Most students agreed that the course curriculum is relevant to real-life situations. Likewise, most students also agreed that their curriculum contains high learning values.

**INTERPRETATION:** Analysis of the report suggests that students are satisfied with their course curriculum design and delivery. However, some also expressed the need for periodical revision of the syllabi of courses they are enrolled in, especially the mainstream subjects. Students are satisfied with the teaching methods employed by their teachers and the conduct of internal assessments. Students expressed the need for more opportunities for student exchange/internship/field visits etc., in their curriculum. Also, even though many agreed on the availability of adequate laboratory facilities, there is still room for much improvement. Students are satisfied with the overall academic ambience of the college.



## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Civil Engineering	90	245	34
BTech	Mechanical Engineering	90	245	30
BTech	Electrical and Electronics Engineering	60	245	12
BTech	Electronics and Communication Engineering	90	245	11
BTech	Computer Science and Engineering	90	245	52
BTech	Naval Architecture and Ship Building	60	245	36

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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	175	179	136	29	21

### 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
165	165	4	10	3	2

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

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

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1659	165	1:10

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
165	165	0	7	17

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Nil	Nil	Nil
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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	BTC	Semester	14/05/2019	30/07/2019
Mtech	MTC	Semester	14/05/2019	30/07/2019
MCA	MCA	Semester	14/05/2019	30/07/2019
MBA	MBA	Semester	14/05/2019	30/07/2019
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### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

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

curricular activities and achievements. Class committee meetings are conducted at frequent intervals.

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

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 advise rectifications, if required. Students who missed an internal exam can request for retest through Faculty Advisor and Head of the Department.

## 2.6 – Student Performance and Learning Outcomes

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

[https://sngce.ac.in/naac/AQAR/criteria2/C2\\_2-6-1\\_2018-2019\\_1.xlsx](https://sngce.ac.in/naac/AQAR/criteria2/C2_2-6-1_2018-2019_1.xlsx)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BTech	BTech	Nil	619	480	77.54
Detailed list attached	BTech	Nil	Nil	Nil	Nil

[View Uploaded File](#)

## 2.7 – Student Satisfaction Survey

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

[http://sngce.ac.in/naac/AQAR/criteria2/Student\\_satisfaction\\_survey.pdf](http://sngce.ac.in/naac/AQAR/criteria2/Student_satisfaction_survey.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

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

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Seminar on General Paper on Research Aptitude	Department of Civil Engineering	03/12/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	NA	Nil	NA
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
SNG	Gurukulam Technological Business Incubation Centre	College	Lancier	Software	01/06/2018
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**3.3 – Research Publications and Awards**

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	0	0

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	5	5
International	Mechanical Engineering	2	5
International	Computer Science and Engineering	2	5
International	Naval Architecture and Ship Building	3	5
International	Mathematics	1	5
International	Computer Applications	5	5
<a href="#">View Uploaded File</a>			

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

Department	Number of Publication
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Civil Engineering	1
Mechanical Engineering	3
Naval Architecture and Ship Building	4
Electrical and Electronics Engineering	2
<a href="#">View Uploaded File</a>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Model of Tuned J48 Classification and Analysis of Performance Prediction in Educational Data Mining	Anoopkumar M	International Journal of Applied Engineering Research	2018	11	Sree Narayana Gurukulam College of Engineering	11
Bound Model of Clustering and Classification (BMCC) for Proficient Performance Prediction of Didactical Outcomes of Students	Anoopkumar M	International Journal of Advanced Computer Science and Applications	2018	3	Sree Narayana Gurukulam College of Engineering	3
Developing a Computer Based Technology for Cost Escalation in Construction Industry	Jeena Mathew	International Journal	2018	2	Sree Narayana Gurukulam College of Engineering	2
No file uploaded.						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations	Institutional affiliation as
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					excluding self citation	mentioned in the publication
Model of Tuned J48 Classification and Analysis of Performance Prediction in Educational Data Mining	Anoopkumar M	International Journal of Applied Engineering Research	2018	4	11	Sree Narayana Gurukulam College of Engineering
Bound Model of Clustering and Classification (BMCC) for Proficient Performance Prediction of Didactical Outcomes of Students	Anoopkumar M	International Journal of Advanced Computer Science and Applications	2018	4	3	Sree Narayana Gurukulam College of Engineering
Developing a Computer Based Technology for Cost Escalation in Construction Industry	Jeena Mathew	International Journal	2018	3	2	Sree Narayana Gurukulam College of Engineering
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	15	5	2
Presented papers	3	4	0	0
Resource persons	2	2	0	0
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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/	Number of teachers	Number of students
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	collaborating agency	participated in such activities	participated in such activities
PUNARJANI CAMP	NSS	5	21
SURVEY CONDUCTED AT OKKAL AND PUTHRIKKA	NSS	5	17
GANDHI JAYANTHI CELEBRATION	NSS	6	15
BIODIVERSITY GARDEN WEED REMOVAL	NSS	7	17
KRISHIBAVAN DATA ENTRY PROGRAM	NSS	2	4
<a href="#">View File</a>			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Sansad Adarsh Gram Yojana	Certificate of Appreciation	AICTE	50
<a href="#">View File</a>			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	NSS	PUNARJANI CAMP	5	21
Flood relief activity	NSS	SURVEY CONDUCTED AT OKKAL AND PUTHRIKKA	5	50
Green Protocol-Swachh Bharat	NSS	THIRUVAIRANIKULAM - GREEN PROTOCOL IMPLEMENTATION	2	18
<a href="#">View File</a>				

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Industrial Visit	19	SNGCE	1
Internship	6	Nil	10
<a href="#">View File</a>			

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

Nature of linkage	Title of the linkage	Name of the partnering	Duration From	Duration To	Participant
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		institution/ industry /research lab with contact details			
MOU	Bridge Skill-up Programmes	Redhat Academy	03/12/2018	02/12/2019	122
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Redhat Academy	03/12/2018	Bridge Skill-up Programmes	122
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
130.25	125.17

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Campus Area	Existing
Laboratories	Existing
Seminar Halls	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Others	Existing
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### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Topscore solution	Fully	Library Ex. Plus	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	44220	309445	61	70756	44281	380201



Journals	140	0	1	235086	141	235086
e-Journals	2	37732	2	560426	4	598158
Digital Database	3	0	0	0	3	0
CD & Video	480	13157	0	0	480	13157
Library Automation	1	30000	0	0	1	30000
Weeding (hard & soft)	91	27825	0	0	91	27825
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	NA	NA	Nil
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	900	10	900	4	2	22	31	100	2
Added	0	0	0	0	0	0	0	0	0
Total	900	10	900	4	2	22	31	100	2

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

100 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

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

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
140	133.36	75	71.93

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

institutional Website, provide link)

Maintenance procedure All equipment, machinery and instruments used are identified properly. The maintenance of equipment, building, premises and fittings is the responsibility of the custodian, section in charge, maintenance coordinator, etc. as the case may be. Maintenance calendar for the College drawn up by the Maintenance coordinator in consultation with specialists, if necessary, for ensuring satisfactory up-keep. The maintenance coordinator ensures maintenance activities are progressed as per planned schedule. 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 participants. He also organizes teams of staff and students to handle various responsibilities for conducting the sports and games in the College. The students are divided into four houses and a staff in-charge is appointed for each. Each house selects a captain. The sports and games are conducted in line with the scheduled itinerary and the winners are awarded prizes. Cultural Activities: Cultural activity coordinator prepares the budget in consultation with the Staff adviser, for hosting cultural events within the campus. Cultural activity coordinator forms teams of staff and students to handle various responsibilities for conducting arts festivals in the college. Frequent interactions and rehearsals are conducted by delegating responsibilities.

[https://sngce.ac.in/naac/AQAR/criteria4/C4\\_4-4-2\\_2018-2019.pdf](https://sngce.ac.in/naac/AQAR/criteria4/C4_4-4-2_2018-2019.pdf)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	SNGCE-MCM scholarship	156	3556000
Financial Support from Other Sources			
a) National	E-Grantz Schme	131	8628900
b) International	Nil	0	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Softskill enhancement initiatives	27/09/2018	511	Faculty members of the institution
Language and communication skill	20/08/2018	282	Faculty members of the institution
Life skills	14/08/2018	198	Faculty members of the institution
ICT/computing skills	06/07/2018	273	Faculty members of the institution

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Aptitude Training	354	354	354	140
2019	Preplacement training by confidence Group, Ernakulam	434	434	434	140

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	7

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Infosys, Tech Mahindra, AAPT, OMNEX, Shriam Group IBS, Support Sages, Tessolve, Sutherland, Zerone, Amazon, Sicagen, Image, Bell technolabs, Mitisigo, HGS, Infosys, BPO, HP	350	72	ICICI Sec Armia Systems ESAF Bank Esaf Microfinance HGS HDFC BANK V Guard ITC Noble Info Pvt Ltd IMS LT Finance	95	14

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
------	--	--------------------------	---------------------------	----------------------------	-------------------------------

2018	4	BTech	Electronics and Communication Engineering	Universities	Masters like MBA, MS, MSc
2018	4	BTech	Electrical and Electronics Engineering	Universities	Masters like MBA, MS, MSc
2018	1	BTech	Civil Engineering	BITS Pilani	ME
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	2
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Intercollege football match	Sate	15
KTU- Dzone intercollegiate Cricket tournament	University	15
KTU Athletic meet 800m	University	12
KTU D-ZONE Mens Kabaddi	University	12
KTU D ZONE INTERCOLLEGIATE FOOTBALL CHAMPION SHIP	University	18
KTU D ZONE INTERCOLLEGE VOLLEYBALL TOURNAMENT(MENS WOMENS)	University	12
KTU D-ZONE Intercollegiate Badminton Tournament (Womens)	University	1
List attached for the rest	Nil	Nil
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	First prize in Essay	National	Nil	1	117-SNGC E-CE-15	Saurav S adhanandan

writing  
Hindi

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

Students representation and engagement in administrative, co-curricular, and extracurricular activities play a vital role in their overall development and the functioning of educational institutions. Their roles in various activities are as follows: Administrative Activities: Students representation in the student council involves their participation in decision-making processes and their role in student governance. Also students are active participants of class committees and course committees, in which students give their valuable suggestions to enhance the overall teaching learning process. Students learn about leadership, teamwork, negotiation, and problem-solving skills by engaging in administrative activities. Co-curricular Activities: Co-curricular activities refer to activities that complement the academic curriculum and enhance the overall learning experience. Students engagement in co-curricular activities includes representation in department association activities. It also includes participation of students in professional organisation like IEEE. Extracurricular Activities: Extracurricular activities like Technical Festival, Arts Festival, Club activities are undertaken outside the regular academic schedule. They offer students opportunities to pursue their passions, develop hobbies, and engage in recreational and athletic activities. These activities foster personal growth, promote physical fitness, build social connections, and provide a platform for students to showcase their talents and achievements.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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

5.4.2 – No. of enrolled Alumni:

3350

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

## 5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meetings are conducted once in a year. Last meeting was conducted on second Saturday of July, 2019.

**CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT****6.1 – Institutional Vision and Leadership**

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

(i) The members of the staff indicate their choice of subjects with their priority. (ii) Departments can offer industry related add on courses according to their choice in core areas. VISION Empowering the masses to achieve economic and social freedom through technical and management education. MISSION Prepare students for a career in industry, academia, RD and government by developing necessary technical capabilities and interpersonal skills in them. It is impressive to learn that SNGC Trust takes responsibility for effective management and future development of the college. The fact that the president of SNGC Trust chairs the executive governing body highlights the commitment to strong leadership at the highest level. This indicates that the trust values a structured and accountable approach to governance. In terms of research and development, SNGCE has actively promoted significant industrial research and development activities aligned with the institutions vision and mission. The college aims to pursue and promote research in frontier technologies and various engineering disciplines. Its commendable that they undertake various projects and collaborate with industrial experts in relevant fields. This approach demonstrates a responsible mission to advance knowledge and innovation in engineering. Overall, SNGCEs focus on effective management, strong leadership, and promotion of research and development showcases their commitment to providing quality education and contributing to technological advancements in the field of engineering. The effective leadership is visible in various institutional practices such as decentralization and participative management. Decentralization: Decentralization involves delegating decision-making authority and responsibilities to various levels or departments within the institution. This approach allows for faster and more efficient decision-making, as decisions can be made by individuals or teams who are closest to the specific issues at hand. It also promotes a sense of ownership and accountability among staff members, as they have the authority to make decisions that directly impact their areas of work. Decentralization can enhance overall organizational agility and responsiveness. Participative Management: Participative management emphasizes involving employees, including faculty members, in the decision-making process. This approach recognizes the value of diverse perspectives and expertise, as well as the importance of engaging and empowering individuals within the institution. By including faculty in decision-making, the institution can benefit from their insights, experiences, and knowledge. This approach also fosters a sense of ownership and commitment among faculty members, as they feel valued and invested in the institutions success. Both decentralization and participative management contribute to a more inclusive and collaborative work environment. They promote effective communication, trust, and cooperation among different levels and departments within the institution. These practices can enhance problem-solving, innovation, and overall organizational effectiveness. It is evident that SNGCEs adoption of these practices reflects their commitment to effective leadership and management, which can contribute to the institutions success and development..

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	The curriculum design is based on enhancing and empowering the knowledge base of the students and thereby focuses on the recent trends in scientific and cognitive fields. Principal conducts the College council meeting to discuss the present needs of the industry, skill sets to be acquired by the student, designing the curriculum, effective teaching - learning processes, etc.
Teaching and Learning	The feedback from the department advisory committee on PO and PSO attainment of each course is taken at the beginning of each semester. Clear guidelines are provided by the department advisory committee on how to handle the course for improving the PO attainment and accordingly the faculty prepare for their course delivery. After the commencement of the semester feedback from students will be taken. Class committee and course committee meetings held twice a semester. These steps helps to improve the teaching strategy of the course. Teachers are encouraged to attend refresher courses on the subjects handled during the semester breaks.
Examination and Evaluation	To improve the performance of the students, internal assessment through internal exams and assignments is conducted periodically and the results are reviewed/ displayed for the students.
Library, ICT and Physical Infrastructure / Instrumentation	SNGCE has a digital library. Digital Library is a digital service that collects, preserves, and distributes digital material. Repositories are important tools for preserving an organization
Human Resource Management	Transparent policy document Transparent and scientific way of selections Imparting related training for Formulation and communication of policies of the college. Support for academic advancement. Systematic performance appraisal system and

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

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

E-governance area	Details
Planning and Development	Planning and Development activities are computerized.
Administration	Administration and library activities are completely computerized.
Finance and Accounts	Finance and Accounts activities are completely computerized.
Student Admission and Support	Student Admission records are completely computerized.
Examination	Examination registration activities are completely computerized.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Shemi P A	Workshop on Recent trends in Power electronics and control	College of Engineering Trissur	200
2018	Saritha K S	FDP on Distributed generation Smart grid	TOC H Institute of Technology, Arakkunnam	200
2018	USHA S	QUALITY	Indian	200



CONCRETE  
CONSTRUCTION

Concrete  
Institute,  
Kochi Centre

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	AI for everyone	Nil	21/03/2019	21/03/2019	28	Nil
2018	Advanced Excel Course	Advanced Excel Course	06/07/2018	06/07/2018	12	48

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
AI for everyone	28	21/03/2019	21/03/2019	1
Advanced Excel Course	12	06/07/2018	06/07/2018	1

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
165	165	51	51

6.3.5 – Welfare schemes for

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

## 6.4 – Financial Management and Resource Mobilization

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

In SNGCE, several internal and external financial audits are carried out throughout the year to ensure financial transparency, accountability, and compliance with regulatory standards. The following are the main types of audits conducted: 1. Internal Audits: Internal audits are conducted by an independent internal audit team within the college. These audits assess the effectiveness of internal controls, financial reporting processes, and

adherence to college policies and procedures. Internal audits are typically conducted periodically and help identify areas for improvement and risk mitigation. 2.External Audits: External audits are performed by an independent external audit firm appointed by the college. These audits verify the accuracy and completeness of financial statements and ensure compliance with relevant accounting standards and statutory requirements. External audits provide an objective assessment of the colleges financial health and help build trust with stakeholders. 3.Government Audits: As an educational institution, SNGCE College may also undergo audits by government agencies responsible for overseeing educational institutions finances. These audits ensure that the college complies with all applicable laws and regulations related to educational institutions and financial management. The mechanism for settling audit objections in SNGCE follows a structured process. When audit findings or objections are raised, the concerned departments or individuals are informed of the findings. They are given an opportunity to respond to the audit observations and provide clarifications or corrective actions if necessary. The audit committee or management reviews the responses and works with the relevant departments to address the issues raised during the audit. Timely resolution of audit objections is prioritized, and appropriate actions are taken to rectify any deficiencies or discrepancies found during the audit process. The objective is to ensure that the colleges financial records are accurate, reliable, and compliant with all relevant regulations and standards.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil
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6.4.3 – Total corpus fund generated

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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	KTU	Yes	IQAC
Administrative	Yes	Bureau Veritas	Yes	IQAC

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

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

Workshop on Advanced Excel course was conducted for non teaching staff.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

NBA accreditation for remaining branches.
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### 6.5.5 – Internal Quality Assurance System Details

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

### 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Firestore Workshop	06/08/2018	06/08/2018	11/08/2018	234
2018	Orientation Programme for 1st Year MCA Students	01/08/2018	01/08/2018	03/08/2018	45

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Day celebration	23/03/2019	23/03/2019	135	0

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

Percentage of power requirement of the University met by the renewable energy sources
3

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	4	27/08/2018	15	Flood relief	Flood	350
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### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Life Skills For Engineers	14/01/2019	Life Skills For Engineers
Professional ethics	12/02/2019	Professional ethics

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Orientation Programme for the First year B.Tech students	06/08/2018	11/08/2018	234
Orientation Programme for the First year MCA students	01/08/2018	03/08/2018	45
<a href="#">View File</a>			

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

The following initiatives are taken by the college to make the campus ecofriendly: (i) Energy conservation (ii) Use of renewable energy (iii) Efforts for carbon neutrality (iv) water harvesting and Tree plantations (v) Hazardous waste and e-waste management.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**BEST PRACTICE I** Title of the Best Practice Social Inclusion in Education  
 Objectives of the Practice ? 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. To have social inclusion in education SNGCE supports the students coming from the weaker and underprivileged sections of the community  
 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. The institution supports financially backward students through various scholarships . Equal opportunity is provided to all students to nurture their talents  
 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 The inability of the individual students to adjust with the general student crowd, eventually leading to demotivation and higher drop out levels Difficulty in raising the fund to meet the expenditure BEST PRACTICE II Title of the Practice Mentor System Objectives of the Practice 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 students are not mature enough to make decisions on their own in the vastly changing technology world The Practice Each mentor was assigned with approximately 15-20 students to guide them throughout the program. Records of students' background, progress, health, participation in special activities are maintained. Parental care was given for all the mentees. 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. Minimized student drop-out rates. Reduction in the cases of indiscipline handled by the discipline committee. Problems encountered Not every student who enrolls is completely dedicated to reach their goals. They require assistance in planning and preparing for their academics at all times. Reaching out to each student individually, tracking outcome, lack of motivation among students were some of the problems encountered

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

[https://sngce.ac.in/naac/AOAR/criteria7/C7\\_7-2-1\\_2018-2019\\_2.pdf](https://sngce.ac.in/naac/AOAR/criteria7/C7_7-2-1_2018-2019_2.pdf)

### 7.3 – Institutional Distinctiveness

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

Sree Narayana Gurukulam College of Engineering (SNGCE) is a leading technical institution located in Kerala, India. Established in 2002, the college has gained a reputation for its innovative and unique practices in engineering education. Industry-Academia Collaboration: SNGCE has established strong collaborations with leading industries in the field of engineering. This collaboration has resulted in various joint research projects, internships, and training programs for students. This practice helps students gain practical knowledge and skills and have resulted in good job opportunities for the students Experiential Learning: SNGCE has a unique approach to teaching, where the focus is on hands-on, experiential learning. The college has well-equipped laboratories and workshops, where students can get hands-on experience. The college organizes technical events and competitions, where the students can showcase their skills and learn from their peers. Innovation and Entrepreneurship Development Cell: SNGCE has a unique program for entrepreneurship development, which aims to encourage and support students who are interested in starting their own ventures. The college has a dedicated incubation center. The college organizes many events and competitions, which provide students an opportunity to showcase their ideas and get feedback from industry experts. Social Responsibility: SNGCE has a strong commitment to social responsibility. The NSS unit of the college organizes various programs and takes initiatives aimed at improving the lives of the local community. . This practice provided students an opportunity to apply their engineering skills to real-world problems.

Provide the weblink of the institution

[https://sngce.ac.in/naac/AOAR/criteria7/C7\\_7-3-1\\_2018-2019\\_2.pdf](https://sngce.ac.in/naac/AOAR/criteria7/C7_7-3-1_2018-2019_2.pdf)

## 8.Future Plans of Actions for Next Academic Year

**Conducting More Add-on Courses:** One way to achieve this is by introducing additional courses or training programs that complement the existing curriculum. These add-on courses can help students develop specific skills, stay updated with emerging trends, and increase their employability.

**Establishing More MoUs (Memorandum of Understanding):** Collaborations with other institutions, industries, or organizations can foster knowledge exchange, research opportunities, and innovative practices.

**Encouraging Faculty to Pursue Doctoral Degrees:** Highly qualified faculty members can positively impact the quality of education and research in an institution. IQAC may encourage and support faculty members to pursue doctoral degrees, providing them with opportunities for higher studies, research grants, and sabbaticals. This can result in a more research-oriented and knowledgeable faculty body.

**Promoting Research Publications:** Research publications play a crucial role in establishing an institutions credibility and reputation. IQACs may actively encourage faculty to engage in research and publish their findings in reputed journals and conferences.

**Assessment and Feedback Mechanisms:** IQACs typically focus on continuous improvement in various aspects of the institution. Implementing robust assessment and feedback mechanisms can help in making informed decisions for further enhancements.