YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	KALYANI CHARITABLE TRUST'S LATE GAMBHIRRAO NATUBA SAPKAL COLLEGE OF ENGINEERING
• Name of the Head of the institution	Sahebrao B. Bagal
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02594220175
• Mobile no	9922252699
• Registered e-mail	gns_engineering@sapkalknowledgehub.org
• Alternate e-mail	principal.lgnscoe@sapkalknowledgehub.or g
• Address	Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Tal. Trimbakeshwar, Dist. Nashik, (MS) Pin - 422213
• City/Town	Nashik
• State/UT	Maharashtra
• Pin Code	422213
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education

• Location	**Rural**	
• Financial Status	**UGC 2f and 12(B)**	
• Name of the Affiliating University	**Savitribai Phule Pune University, Pune**	
• Name of the IQAC Coordinator	**Dr. Sachin S. Harak**	
• Phone No.	**02594220165**	
• Alternate phone No.	**9850001643**	
• Mobile	**9850001643**	
• IQAC e-mail address	**sachin.harak@sapkalknowledgehub.org**	
• Alternate Email address	**sachin.s.harak@gmail.com**	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.lgnscoe.sapkalknowledgehub.org/document/AQAR_2019-20_Final.pdf	
4.Whether Academic Calendar prepared during the year?	**Yes**	
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.lgnscoe.sapkalknowledgehub.org/ug-academic-calendar.php	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.23**	**2018**	**30/11/2018**	**29/11/2023**

6.Date of Establishment of IQAC	**24/07/2017**

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	**NIL**	**NIL**	**NIL**	**0**

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	2	
• 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)

No

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
Staff profile up-gradation	NIL
Improved industry interaction	NIL
Promotion of Human Values, Universal Values and Professional Ethics	NIL

13.Whether the AQAR was placed before statutory body?	No	
• Name of the statutory body		

Name	Date of meeting(s)
Nil	**Nil**

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020	**21/01/2022**

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**9**

File Description	Documents
Data Template	[View File]

2.Student

2.1 Number of students during the year	**391**

File Description	Documents
Institutional Data in Prescribed Format	[View File]

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**170**

File Description	Documents
Data Template	[View File]

2.3 Number of outgoing/ final year students during the year	**572**

File Description	Documents
Data Template	[View File]

3.Academic

3.1 Number of full time teachers during the year	**102**

File Description	Documents
Data Template	[View File]

3.2 Number of sanctioned posts during the year	**35**

File Description	Documents
Data Template	No File Uploaded

4.Institution

4.1 Total number of Classrooms and Seminar halls	**50**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**52006678**
4.3 Total number of computers on campus for academic purposes	**460**

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

As an affiliated institute, we follow the curriculum of affiliating University. The institute has developed a systematic mechanism for curriculum delivery as below.

Stage I: Preparation of Teaching Aids (One month prior to semester commencement)

Based on the University's academic calendar, the institute prepares its own academic calendar. Slots for extra academic, cultural &

sports activities are also allotted based on inputs from various administrative and academic bodies / cells / committees. Simultaneously, each department allots course(s) to their teaching faculties based on their specialization and interests. Supervisors are allotted for seminar & project work. This is followed by preparation of Class, Laboratory and Individual (Faculty) time tables. The same is displayed on notice board for the students. Faculties prepare / update their 'Course File'. Well-equipped Library facilities like NPTEL, Video Lectures, e-resources, Media Centre and Departmental Library enable teachers to deliver curricula effectively in the classroom. Faculty members are deputed to various syllabus detailing and implementation workshops for properly perceiving the curriculum. Faculties are motivated to adopt innovative teaching practices like project based learning, blogs / personal webpages. The teaching plan of each course is uploaded into the ERP profile of the concerned faculty. ERP tracks and ensure timely upload of the content taught and the attendance of students.

Stage II: Teaching Learning (During Semester)

The effective implementation of the curriculum is monitored by Academic Monitoring Committee coordinated by Dean Academics. The monthly attendance record of the students is prepared and communicated to every student. In case of defaulters, their parents are informed. Expert talks, Industrial Visits / Field visits are organized regularly to support curriculum delivery. For some courses workshops are organized in association with industry to bridge the need of those courses. The progress of the Seminar and Project work is also reviewed through a well-established mechanism. Continuous assessment, Mid-term submission and tests are conducted as per rubrics developed at institute level. Results of on-line and mid semester examinations are analyzed for the conduction of remedial classes. Extra sessions are conducted for academically weak students classified as slow learners.

Stage III: Students Feedback (Mid-Term)

A mid-term feedback of students enables the institute to identify the gray areas in the teaching learning process. Corrective measures, such as counseling / mentoring of individual faculties are initiated by the Department Head. A Teacher-Guardian addresses the students grievances related to teaching-learning as well as personal issues. The teacher guardian, counsels a selected / allocated group of students and a separate record of the same is maintained.

Stage IV: End Semester Activities

After conclusion of teaching final assessment of the term-work is done and marks are submitted to the university. The end semester exams are conducted by the university. Every department analyses the results of different classes immediately after declaration of result by the university.

Stage V: Stake-holders Feedback (Term-End)

The institute seeks feedback from various stakeholders regarding curriculum, employability and skill acquisition. An assessment of the level of attainment of POs, PSOs and COs is carried out.

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

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 Institution prepares and publishes 'Academic calendar' containing the relevant information regarding the teaching learning schedule working days, various events to be organized, holidays, dates of internal examination , semester examination etc. The academic calendar is prepared so that teachers would know all the activities regarding continuous internal evaluation process and it is also published on website of the college and college noticeboard. The students' academic progress is monitored regularly by adopting the strategy of continuous internal evaluation, seminars, project work, unit test and semester examinations. The review of internal assessment is taken by the Principal regularly.

For the implementation of Internal Assessment Process, Examination committee is formed at the college level which monitor overall internal assessment process. The examination committee, send the information to the University about the students who are appearing for the examination. After receiving enrolled list of the students' by the University, the college prepares seating arrangement chart, list of invigilators etc. The record of internal assessment is maintained at college level. Every department has to submit the compliance of the academic calendar as part of their annual submissions. In addition the internal audit conducted which ensures the compliance to verify with documentary evidence.

The process is as follows:

Teacher: Every teacher is assigned the subjects to be taught during the academic year. The teacher plans, the teaching and evaluation schedule of assigned subject as prepared by teachers. The type and schedule of internal evaluation is Planned in consultation with the head of the department.

Head of the Department: The Head of the department compiles the academic plan submitted by the teachers and ensures that there is no overlapping of the activities in general and the Continuous Internal Evaluation in particular at both the internal as well as the University level Then the Academic calendar is forwarded to the IQAC.

IQAC: The IQAC compiles the inputs received from the various departments and a comprehensive plan is prepared to improve the academic progress of students

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link for Additional information	https://www.lgnscoe.sapkalknowledgehub.org/aqar2020-21.php

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	**B. Any 3 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	**No File Uploaded**

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

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File Description	Documents
Any additional information	**No File Uploaded**
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)

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File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
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

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File Description	Documents
Any additional information	**No File Uploaded**
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

Co-curricular and Extracurricular Activities Institute integrates crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability into the curriculum. Actually, the university decides the syllabus and college has to follow it. But in this limitations college do its best for above said issues. Some of the steps taken are below: 1. Gender Numbers of programs are conducted for women and girl students such as organization of folk dance competition, hemoglobin check up camps. The committee for Woman Antiharassment and internal complaint committee organizes programs on Woman Empowerment, Laws for Woman, Women's Day, The N.S.S. unit of our college has been very proactive in conducting different extension activities not only in college premises but also in adopted villages also. Major gender issues are focused and addressed through the activities like Save girl child campaign, Essay and poster exhibitions, wall paper presentations, etc.

2. Environment and Sustainability N.S.S. promotes environmental protection through tree plantation and other sustainable development programs. Every year, N.S.S. unit undertakes a host of activities in the nearby villages during the special camps. In these camps, N.S.S. organizes various environment related programs including tree plantation, village cleanliness, cleaning of gutters, digging of soak peats, eradication of Gajar grass, plastic free drive, Poster Competition, Debate Competition, etc. Various activities like quiz and poster competitions, invited talks are organized to create awareness about nature, biodiversity, environment and sustainability. Different activities have been initiated by the college to save environment such as Cleanliness Campaigns at Temple places, Bus and Public spaces etc. The cleanliness program is organized to clean ponds, watering plant, Celebration of various days like World Environment Day, N.S.S. Day, etc. The college has taken initiative in Swachch Bharat Summer Internship (SBSI) Abhiyan and Tree plantation programs which are introduced by the Indian Government.

3. Human Values and Professional Ethics To create scientific approach and social awareness among the students, lectures and quiz, essay, etc. are by NSS and other NGO or, govt. bodies. The college takes efforts for integration of ethical and human values through extra-curricular activities also. Programs conducted under N. S. S., help to inculcate human values among students. Guest lectures on value education have been organized for students. National festivals

like Independence Day and Republic Day serve as a platform to enliven patriotic and moral values. Different social activities have been initiated by the college like Health and Hygiene awareness programs, Medical check-up camps, AIDS awareness programs, Voter's awareness program, Road safet y Campaign, Blood donation camps, etc.

File Description	Documents
Any additional information	**No File Uploaded**
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

05

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	**No File Uploaded**
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

554

File Description	Documents
Any additional information	**No File Uploaded**
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://www.lgnscoe.sapkalknowledgehub.org/document/1.4.2_NAAC-2020-21.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File

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

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://www.lgnscoe.sapkalknowledgehub.org/document/1.4.2_NAAC-2020-21.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

67

File Description	Documents
Any additional information	No File Uploaded
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

63

File Description	Documents
Any additional information	**No File Uploaded**
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

Response:

The institute recognises that, students with different intellectual ability need different time duration to learn the same things. Keeping this in mind, each department head at the beginning of the semester, conducts meeting to chalk out the programmes and activities to be conducted during the semester. The institute identifies the slow and advanced learners within each class on the basis of their merit. For students admitted to first year and second year (via lateral entry), the list of slow and advance learners is prepared based on their HSC marks (%) and diploma marks (%) respectively. If the marks are greater than 60% then a student is considered as advance learner otherwise as a slow learner. For all other students, if the marks are greater than 55% (with the candidate clearing all subjects of previous semester) then that student is considered as an advance learner, while the remaining are considered as slow learners. For all students, prerequisite tests are conducted in the beginning of the semester to identify their skills and knowledge. Based on the test results, students are guided and motivated to participate in different activities.

Support for Slow Learners: As far as the slow learners are concerned, the faculties are advised to support the students in following aspects:

Identify reasons behind the learner's weak performance, assign extra task for practice, connect with them more often for follow-up and guidance, make available special learning resources, maintain their cumulative record and develop healthy relationship to boost their

confidence through empowering words. Additionally, the institute never reflects the differences in the learners through their seating arrangements as it may stigmatize the slow learners. Instead, the teacher moves around in the classroom giving extra help to the slow learners.

The institute also arranges remedial lectures for slow learners in critical courses. During these remedial lectures, faculty members discuss or cover complex / difficult topics.

File Description	Documents
Paste link for additional information	Nil
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
1302	102

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

Response: The institute has developed a culture for student centric learning by introducing methodologies like experiential learning, participative learning and problem solving methodologies.

A 'Teaching Learning Development Centre' has been constituted to guide the faculty for use of interactive teaching learning aids so that the students are nourished in terms of knowledge, skill and attitude. At the beginning of the semester, as per the prerequisite and objectives of the courses the faculties identifies different instructional approaches and academic-support strategies for the students.

Experiential Learning

The institute has adopted the experiential way of teaching the

students by developing a 'Course content delivery proforma', which helps faculties in identifying and including various methodologies and strategies for planning their course delivery. These methodologies include both, 'passive and active teaching tools'.

The 'proforma' also covers all the four phases of experiential learning, viz., concrete experience, reflective observation, abstract conceptualization and active experimentation.

Concrete Experience: The usage of tools like 'simulators', and 'trigger films' very well motivate the students for cognitive thinking. Tools like 'brain storming sessions', 'group discussions', 'debates', 'internship', 'industry visit', 'think-pair-share' and 'peer teaching' are used to build the knowledge and skills and give the learner either a new experience of the concerned subject or a reinterpretation of existing experience. Reflective Observation: Tools like 'case studies', 'quizzes' and 'assignment', help the students to reflects on the experience gained on personal basis.

Abstract Conceptualization: The students are given opportunities by the teacher to present new ideas or modification of existing ideas based on reflection of their experience through 'oral presentations' and 'posters'.

Active Experimentation: Being an engineering institute, most part of the curriculum involves understanding of concepts through 'Lab-work'. Students utilize almost 40 % of the study hours for active experimentation. At the end of semester, lab journal is prepared based on the experimentation and the students are assessed for the same.

Participative Learning Students are said to be involved in learning when they are doing something besides passively listening. In order to motivate the students for participative learning, the faculties involve them in various classroom activities, like role play, peer teaching, think-pair-share, quiz, brainstorming sessions, small group discussions and debates. For some courses, the experiments in laboratory are performed by students in small groups where the teacher instructs them and are then assigned the task of performance on their own. This method of participative learning develops group collaboration in students.

Problem Solving Methodologies

The institute encourages students to learn about a topic or subject by solving an open-ended problem. Based on the need of the courses,

the faculties assign 'case studies' and 'mini-project' at the pre-final year and a 'major project' at the final year level to students in small groups. In these activities, the students are not bounded to use defined problem solving methodologies, but are encouraged for innovative solutions which helps for the development of skills and attributes such as knowledge acquisition, enhanced group collaboration and communication.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

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

Teachers also have been encouraged to adopt ICT tools for communication and sharing of course material. The institute also motivates the faculties to use ICT Tools and now has 'smart' as well as 'ICT enabled' classrooms.

The teaching learning process includes preparation of academic calendar, allotment of courses, preparation of course file, motivating faculties for usage of ICT tools and updation of individual ERP profile.

ICT tools and resources available

ICT Tools:

ERP, Google Classroom, Whatsapp Group, Google Group, Blog, Personal webpage

Resources:

Computer/Laptop, LCD Projector, Speakers, Wi-Fi, USB, Presentation clicker

File Description	Documents
Upload any additional information	**No File Uploaded**
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

59

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
Mentor/mentee ratio	[View File](#)

2.4 - Teacher Profile and Quality

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

102

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

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

0

File Description	Documents
Any additional information	**No File Uploaded**
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

102

File Description	Documents
Any additional information	**No File Uploaded**
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.

The undergraduate students are evaluated internally for their performance in unit/class test, assignments, term (laboratory) work, seminar and project work, whereas, the post graduate students are evaluated internally for unit test, open book test, assignments, presentations, laboratory work, seminars and project work. The assessment is done in a transparent way through a well-defined mechanism developed by the institute and as per the guidelines of the affiliating University. This evaluation process has seen a gradual change in the recent past. The initial internal evaluation system adopted by the institute since its establishment was reformed in academic year 2012-13 due to reforms carried out by the affiliating university in its external evaluation system.

After the establishment of IQAC in July 2017, a review of the existing internal evaluation system by the Teaching Learning Development Cell necessitated some major reforms to improve the existing assessment pattern. Following is the description of the various internal evaluation system.

Continuous Internal Evaluation System (AY 2017-18 onwards): The formation of IQAC was a major step towards reforms in the continuous internal evaluation system. Through its Teaching Learning Development Cell, the IQAC reformed the continuous internal evaluation system by increasing the number of classroom activities and introducing the rubrics for assessment of the same. As compared to the previous CIE, the reforms introduced also contributed in changing the teaching learning process. Following are the reforms implemented for the continuous internal evaluation of the undergraduate students:

· The students are evaluated for learning goals based on blooms taxonomy. · For knowledge based assessment, the students will be tasked with any three of the following six writing activities:

- Tutorials - Monthly tests - Assignments - Open book tests - Class tests - Case study

· The students will also be assessed for knowledge based assessment on the basis of any three of the following seven verbal activities:

- Debate - Group discussions - Quiz - Oral presentations - Think-Pair-Share - Posters - Brain storming

· For skill based assessment, the students would be tasked with any three of the following six physical activities:

- Lab work - Mini projects - Project work - Case study - Simulations - Role play

· For attitude based assessment, the students would be tasked with any three of the following writing activities: - Oral discussions - Quiz - Multiple choice questions - Debate - Group discussions - Role play

All the head of departments played active role in effective implementation of internal evaluation reforms initiated by the institute by making staff and students aware of them. They also ensure rigorous implementation of the reforms by continuous monitoring.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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

A defined internal assessment system is one of the fortress of the institute. For an unbiased and transparent assessment of the students on various fronts, the institute has taken due care to ensure that the rubrics developed are flawless and comprehensive. The performance criteria in each of the rubrics have been properly defined and appropriate weightage have been assigned to each definition. The institute also ensures that the students are aware in advance about the assessment schedule as well as method used for assessment in various heads like class test, assignments and laboratory work of various courses as well as for seminar and project work.

The academic calendar prepared by each department is communicated well in advance to the students so that they are aware about the schedule of internal evaluation. After each assessment, the students are notified about their performance. In case of class test, the evaluated answer scripts are shown to the students so that they can take stock of their performance and are briefed by the teacher about their strength and weakness in each concerned area / topic. This helps the students to work on their weakness and thereby enhance their performance. Although the lab work is evaluated on timely basis, the institute has made provision for mid-term submission so as to avoid unnecessary delay in the assessment of lab work. It also helps to concerned lab teacher to review the students' progress. The slow learners are properly supported by allowing them to redo / repeat their experiments, if necessary, for proper understanding. Each department appoints a separate seminar and project coordinator to monitor the seminar and project activities.

The schedule of activities for each semester and the expected date of completion of these activities are communicated well in advance to the students. The project work undertaken by the final year students are evaluated as per the schedule and students are given inputs on their weaknesses and scope for improvement. Each project group maintains a log / progress book with records of their weekly activities. These books are checked by the project supervisor on a regular basis. The outcome of this assessment is discussed with students. So as to maintain the transparency the summary of marks for the internal assessment is displayed on the departmental notice board and informed to the parents along with their academic progress.

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	**Nil**

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.

The Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) of various academic programs are displayed on the Institute website so as to reach to all the stake holders. The Program Outcomes (POs) and Program Specific Outcomes (PSOs) are displayed in the department for the awareness of all the students. Apart from this, they are also projected at various platforms like: Alumni meet of alumni chapters Parents' meet Department Advisory Board (DAB) meetings Printed Material – (Lab Journals, Course files and News Bulletin) Published in institute prospectus, admission brochures, institute magazine and journals, seminar and workshop leaflets as well as conference proceedings. All faculties communicate the COs of their respective courses through their lectures on regular basis.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	https://www.lgnscoe.sapkalknowledgehub.org/course-outcomes-comp.php
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.

The institute has established advisory boards for each department to mentor them in defining academic and research goals for the holistic development of the students. The board members are also expected to guide the department in developing its assets thereby enhancing its abilities to meet defined goals. Accordingly, each department have defined their short term and long term goals in terms of mission and vision. Each department have also set quality benchmarks (by defining their program educational objectives, program outcomes, program specific outcomes and course outcomes) to achieve the

mission and vision. Method for measuring attainment: The attainment of POs, PSOs and COs can be well measured using direct and indirect methods. The direct methods are internal and external evaluation carried out by the institute in terms of examination or observations of students' knowledge / skill / attitude against measurable learning outcome. The indirect method of measurement includes collection of data or evidence through reported perception (feedback) by various stakeholders. The institute has thus constituted a 'Survey Collection Centre' to collect and analyse feedback from various stake holders. Rubrics / feedback forms have been developed to collect feedback data from student, parent, employer, faculty and alumni.

Attainment of COs: The feedback from students in the form of course exit survey helps to measure the attainment of COs. Apart from this indirect method (feedback), the institutes also uses direct methods like performance in university exams as well as class test and class activities for measuring attainment of COs. Attainment of POs and PSOs: The feedback from the graduating students helps in measuring the attainment of POs and PSOs, Attainment of PEOs: The feedback from alumni and employer helps in measuring attainment of PEOs. Level of attainment achieved:

COs: In general, while calculating the level of attainment of COs for each course, 80% weightage is given to direct method, whereas 20% weightage is given to indirect method. For direct method, the data is obtained from internal and external assessment is mapped on a predefined scale. For indirect method, analysis of feedback collected from various stakeholders is mapped on a pre-defined scale similar to that used for direct method. Attainment of course outcome is calculated using following relation: = (0.8 × DA) + (0.2 × IDA) Where, DA = attainment through direct method, and

IDA = attainment through indirect method. POs: The attainment of program outcomes is computed by the indirect method. To find out the overall achievement of each PO, the average values of all PO by all courses given as 80% weightage and 20% weightage given to program exit survey. The frequency of this feedback collection is once in a year. Hence, to determine the attainment of program outcome is calculated using following relation: = (0.8 ×Avg_CO) + (0.2 ×APE) Where,Avg_CO = Average attainment of all COs, and

APE = attainment through program exit survey. PSOs: The attainment of program specific outcomes is computed by the indirect method and procedure similar to that of attainment of POs is followed.

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

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

548

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<u>View File</u>
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

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://www.lgnscoe.sapkalknowledgehub.org/document/STUDENT_SATISFACTION_SURVEY_OVERALL_INSTITUTIONAL_PERFORMANCE.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)

NIL

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

00

File Description	Documents
Any additional information	**No File Uploaded**
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

00

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

An innovation eco-system prevails in the institute through the presence of Innovation Centre (IC), Research Advisory Committee

(RAC), Institute-Industry and Institute-Institute Interaction Cell (I5C) and Entrepreneurship Development Cell (EDC). The institute has also encouraged establishment of various student chapters at department level to complement the activities of above cells. This ecosystem works in following three stages:

1.Creation of knowledge: This is the first stage of the ecosystem where individuals are motivated to think differently and independently to come up with innovative ideas. They are also encouraged to think beyond adversities and are provided with opportunities to showcase their innovative approach. The innovative mindset is further mentored by industry experts and through training sessions. The institute has a rich library which serves as a source of knowledge. The institute also earmarks funds to support the innovative culture. The Innovation Centre especially has an active role to play in the process of motivation and support for fostering innovative ideas through idea pitching sessions and workshops. The RAC is committed to develop scientific temper & research culture amongst these young innovators.

2.Transfer of knowledge: This is the second stage of the system where a platform is provided for exchange of innovative ideas thus leading to transfer of knowledge. The students are encouraged to participate in various technical events where they can either present their ideas in the form of technical articles / posters or showcase their innovative models in project exhibitions or scratch their gray matter for answering quizzes or compete with their counterparts from other institute in various events. The institute also hosts a National level technical symposium on yearly basis. Faculty also attend various FDP, Workshops, seminars and conferences for updating their knowledge in the research areas. Along with the students, the institute encourages the faculties to apply for major / minor research proposals. The institute has also established Research Journal Publication Committee which will serve as an in-house platform for publication of innovative findings. As an outcome of this activity, 05 research papers published in reputed journals by the faculties.

3.Incubation: This is the third stage of the ecosystem where individuals with innovative ideas are well complemented with technical advice and expertise. They undergo incubation sessions where industry experts brief them about market scenarios and business tactics. The EDC conducts seminar and workshops on regular basis. At present more than 60 alumni are successful entrepreneur. The students are also encouraged to take up industry sponsored projects and innovation Centre helps the students to register good

projects and ideas for patent. The incubator, thus helps an individual to understand his potential as an independent performer. The innovation ecosystem thus works to support an individual in his quest for becoming an entrepreneur or a consultant or a researcher.

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

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

01

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
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

00

File Description	Documents
URL to the research page on HEI website	**Nil**
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	**No File Uploaded**

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

03

File Description	Documents
Any additional information	**No File Uploaded**
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

02

File Description	Documents
Any additional information	**No File Uploaded**
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

The institute takes efforts to cultivate the values of a good human being and a responsible citizen among students. The institute has a grass-root unit of National Service Scheme (NSS) which serves as a

major tool for development of personality of students through community service. Such activities that bring students face to face with the community not only improves the quality of community life, but also overwhelms the hearts of the participants with a long lasting impression.

In spite of Covid-19 situation the NSS Volunteers of the college were active to help and aware the people around them. Students created awareness by giving social messages about corona, making posters, digital banners, making video messages and sending them to all their friends, neighbours, relatives and teachers too.

Students also helped the people who were in trouble during the lockdown situation by distributing the masks, water and food items for free. Due to lockdown restrictions student were only able to help the people around them. Students were working with local govt. officials and bodies to help them and to increase the morale of those officials.

The volunteers were also provided the data of families around them by doing survey on call or by visiting families around them, so that government can use that data to ensure that whether the family has any difficulty or not. The students were shown interest in blood donation, and physically working with police department and health workers during that crucial period of time

Through these activities, the students learned the hard way of life while associating and helping the people. It exposed them to handling difficult situations and thereby inculcating the values of helping others in difficult times. It also imbibed in them the importance of self-initiatives thereby tapping the dormant leadership qualities within them while working at community levels. Along with leadership traits, they also learned the art of cooperation for accomplishing herculean tasks. In the COVID situation more than 500 students were participated in all these activities.

Apart from the activities during the COVID situation, the NSS unit, has also conducted the activities like voter day celebration, National unity day celebration, etc. These activities have helped the students to understand the need of constitutional rights and duties towards the Nation as well as inculcate the patriotism and nationalism in them, by these activities the feeling of responsibility towards society and nation was also imbibed in them.

Harit wari activity, Tree plantation etc. were also helped the

students understand the need of environment conservation, cleanliness and discipline and value cultural heritage.

Thus, community service helps the volunteers / participants in a holistic development of their personality in comparison to their peers. The participants were found superior (comparison to their peers)cin various aspects like team work, acceptance of situational diversity, Helping the needy people, attitude towards manual work, communication skill, attitude towards women, leadership skills, nationalism, value for environment and culture of the society.

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

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

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

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

08

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
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

540

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
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

00

File Description	Documents
e-copies of related Document	**No File Uploaded**
Any additional information	**No File Uploaded**
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

01

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	**No File Uploaded**
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 institute has ensured availability of adequate facilities like classroom, laboratories and computing facilities as prescribed by the affiliating university and AICTE, New Delhi. The details are as below:

Instructional area

Particulars

Requirement for existing intake as per AICTE

Quantity (Nos.)

Area (Sq.m.)

Required

Available

Required

Available

Class rooms (UG)

21

29

1386

2234

Class rooms (PG)

06

09

198

341

Tutorial rooms (UG)

06

09

198

374

Laboratories (UG)

38

48

2508

3465

Laboratories (PG)

04

05

264

385

Computer Centre (UG)

01

01

150

155

Research Laboratories (PG)

01

01

66

92

Language Laboratory

01

01

66

66

Drawing Hall (UG)

01

01

135

136

Workshop (UG)

01

01

200

200

Additional Workshop (UG)

01

01

200

811

Seminar Hall (UG & PG)

01

02

135

422.5

Library and Reading room

01

01

425

517

The details of the computing facilities available in the institute are as below:

Type of facility

Required

Available

Number of computers

300

460

Number of computers in LAN

300

460

Printers

15

23

Legal application software

20

21

Legal system software

03

03

Internet bandwidth

48

60

The other facilities necessary as required by statutory regulatory bodies are as below:

Sr. No

Facilities available

1.

Digital Library

2.

Drinking Water Supply

3.

Parking Facilities

4.

Electrical Generator

5.

All Weather Approach Road

6.

General Notice Boards

7.

Departmental Notice Boards

8.

Telephone & Fax

9.

Sewage Disposal System

10.

Reprographic Facilities in the Institutions

11.

Medical Facilities

12.

First Aid Facility

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

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

From the day of its establishment, the institute has made available to the students various facilities for conduction of sports and cultural events. The details of the facilities available with its user rate is described below:

- **Facilities for Indoor Sports**

S. No.

Name of Sports Facility

Area / Size

Qty.

Year of Est.

PA* User Rate for

Usage Description

Events

Practice

1

Table tennis

15 m

×

04 m

01

2010

20

150

For practice of participants and conduction of inter department matches

2

Chess

05

2010

20

100

3

Carrom

05

2010

35

250

4

Boxing

01

2010

01

10

5

Gymnasium equipment-

1. Gym machine
2. Cross-bar
3. Treadmill
4. Cycle

30 m

×

25 m

01

01

02

02

2010

--

150

Regularly used by hostel residents for fitness purpose

Facilities for Outdoor Sports

S. No.

Name of Sports Facility

Area / Size

Qty.

Year of Est.

PA* User Rate for

Usage Description

Events

Practice

1

Volleyball Court

15 m

×

25 m

02

2010

200

550

For practice and conduction of inter department and SKH inter college matches

2

Cricket Ground

2826 m2

01

2009

362

900

For practice and conduction of inter department and SKH inter college matches

3

Basketball Court

30 m

×

20 m

01

2009

12

50

Conduction of inter department and SKH inter college matches every year

4

Football Ground

90 m

×

45 m

01

2010

237

575

Conduction of inter department and SKH inter college matches every year

5

Kabaddi

16 m

×

14 m

01

2011

72

200

Conduction of inter department and SKH inter college matches

6

Athletics

300 m

01

2009

07

30

Inter department matches are held every year

7

Swimming

24 m

×

16 m

01

2012

30

For practice

*PA – Per annum

Facilities for Cultural / Festive Events

S. No.

Name of Cultural Facility

Area / Size

Qty.

Year of Est.

User rate

Usage Description

1

Seminar Hall

970 m2

03

2009

75 activities / year

Conduction of:

SKH Arts Club activities,

Fresher's and Farewell party, Teachers day celebration,

Engineers day celebration,

graduation ceremony,

expert talks,

campus drive, etc.

2

Amphitheatre

1032 m2

0.1

2009

07 / year

Annual-fest days celebration,

Mr & Miss SKH Contest, Prizes distribution ceremony of sports, cultural and academic events

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.lgnscoe.sapkalknowledgehub.org/document/4.1.2_Extracurricular_activities_facilities_photos.pdf

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

13

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.lgnscoe.sapkalknowledgehub.org/document/4.1.3_Classroom_and_seminar_halls_with_ICT_facility.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)

16.79

File Description	Documents
Upload any additional information	**No File Uploaded**
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)

LGNSCOE has a well-stocked library having collection of Books, National and International Print Journal and E-Resource. The Library maintains a separate reference collection consisting of encyclopedias, dictionaries, PhD thesis, and hand books. Books are classified according to the Dewey Decimal Classification Scheme. Library is automated using Autolib Software from 2009 onwards. Library is automated with Barcode Technology for circulation and patron's entry. Library is functioning using various modules like Acquisition, Circulation, Accession, Serial Control, Indexing, Member Info, etc. Library has excellent infrastructure to meet its requirements, all its operations are computerized using upgraded software 'Autolib NG' 2016 and provides access to the collection through Web OPAC.

Library is functioning using various modules

Cataloguing & Acquisition System - This module is used to add catalogue entries, to view monthly accession register entries, to browse by title, by author, by subject, by classification number etc. Reports related to cataloguing are generated like accession register, title with copies, year wise accession etc.

Circulation System - This module is used for daily transactions. It has books issue, return and reserve options. Barcode technology is used for issue/return. It is possible to set different rules for different users in this module. Book Bank facility is given to the students. Lending policy for Book Bank facility is different and it

is maintained through circulation module. Various reports such as borrower wise loan, accession no. wise loan, overdue loans, item inventory status, circulation status summery, item transactions and operator wise transactions can be generated in this module. Barcode, spine labels are generated through this module making library work effective and efficient.

Serial Control System - This module is used to maintain the record of print journals to trace subscribed issue in the library. Expected arrival of issue can be generated. Reports like recent issues, issues not received and renewal subscription are generated through this module.

Web OPAC: Online Public Access Catalogue facility is available to students and faculties wherein they can access the Library catalogue from their desks. Library collection can be searched through OPAC.

The Institute's library is a knowledge repository. It has collection of books, journals, newspapers, magazines, project reports etc. It has digital library facility where students can access e-resources like DELNET. Remote access facility is also provided to the students. It has collection of e-books. Institute is a member of NDL. The library has a spacious reading hall. Library provides various services to the users like Circulation, Book Bank Facility, Reference Service for Syllabus, Old Question Papers, e-Library Facility & Online Public Access Catalogue, etc. Automation of library has made it an efficient and effective learning resource center.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	https://www.lgnscoe.sapkalknowledgehub.org/document/4.2.1_ILMS_Details.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	A. Any 4 or more 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)

0.69470

File Description	Documents
Any additional information	**No File Uploaded**
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

37

File Description	Documents
Any additional information	**No File Uploaded**
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

The institute has made available a number of IT facilities like computers, printers, software (both legal and application), internet connectivity in classrooms and laboratories through wired and wireless connectivity. The institute also has dedicated manpower. There is a server room and the institute protects unethical usage of

internet using firewall. The systems are protected from virus attack
by legal antivirus software. The description of IT facilities with
details of installation and updates are mention below:

Sr.No

Description of facility

Details of Installation

Details of Updation

Nature of Updation

Qty.

Year

Qty.

Year

Qty.

Year

1

Computers

250

2011

460

2017

--

Quantity updated

2

Printers

22

2011

22

2017

23

2018

Quantity updated

3

Legal System Software

03

2011

03

2017

--

--

As per AICTE requirement

4

Legal Application Software

18

2011

21

2017

--

--

Quantity updated

5

Internet Connectivity Bandwidth

02 mbps

2011

50 mbps

2017

60 mbps

2018

Bandwidth enhanced

6

Labs with net connectivity

09

2011

17

2017

--

--

Quantity updated

.7

Classrooms with net Connectivity

04

2011

05

2017

Quantity updated

8

Wi-fi Connectivity (Hotspots)

02

2011

06

2017

--

--

Quantity updated

9

Dedicated Manpower

05

2011

06

2014

--

--

Quantity updated

10

Server room

01

2011

--

--

--

--

Size updation not necessary

11

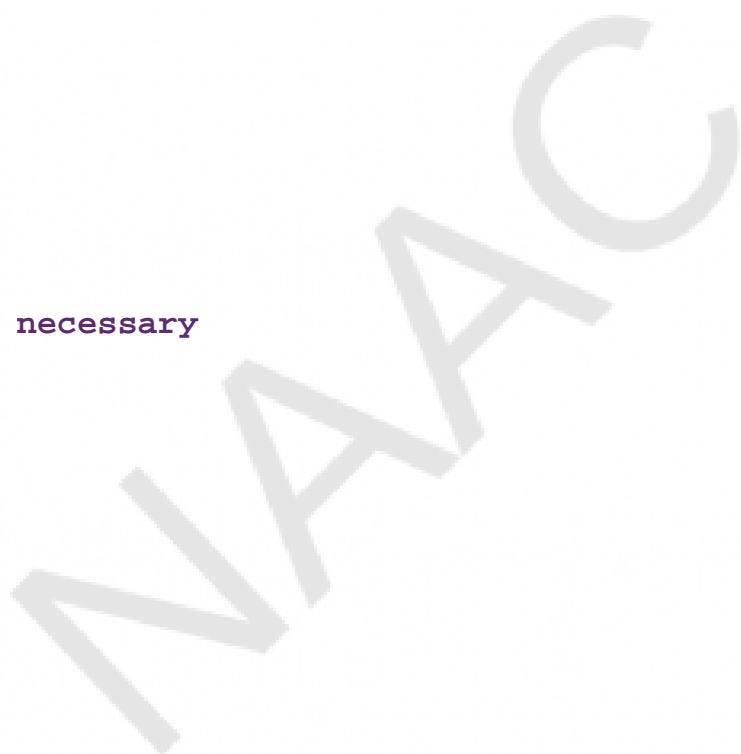Firewall

01

2011

--

--

--

--

lifetime

12

Antivirus

250

2015

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License renewal scheduled in july 2021
```

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

4.3.2 - Number of Computers

460

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	[View File](#)

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

File Description	Documents
Upload any additional Information	**No File Uploaded**
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)

460.35

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

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.

The infrastructure of the institute has been developed in an area allotted as per AICTE norms in a campus of more than 110 acres. For the maintenance of such a large campus, the Kalyani Charitable Trust has established a dedicated maintenance team headed by a civil engineer. This team comprises of electricians, telephone lineman, plumbers, carpenters and painters, housekeepers, gardeners, a system administrator, a transport coordinator and a motor mechanic. The institute has also established its own maintenance cell and comprises of members from all departments / sections of the institute. This cell coordinates with the campus maintenance team for all types of maintenances as per a defined mechanism.

In general, following is the procedure followed for utilisation and maintenance of various facilities:

1. Physical facilities:

Civil Infrastructure

Utilisation: As per the requirement of the statutory regulatory bodies, the required physical facilities are made available to the students of the respective department under the supervision of the head of department. The boys and girls hostel, guest house are available in the campus.

Maintenance: All the physical infrastructure is cleaned by adequate housekeeping staff. In case of civil repair work, the concerned staff reports it to the maintenance cell of the institute and the maintenance cell forwards it to the campus maintenance team through the Principal. The campus maintenance team then

executes the repairs and informs about the completion to the maintenance cell. The gardeners maintain the grounds, lawns and upkeep of plants.

1.Academic Facilities:

Laboratory Equipment, Computers and Library

Utilisation: The laboratory equipment and computers are made available to the students of concerned department as per the curriculum. Generator and UPS is used as a power backup in case of non-availability of power. The library and reading room is open for utilisation to all its registered staff and student members from Monday to Saturday during working hours.

Maintenance: For the maintenance of laboratory equipment, electrical wiring and fixtures and IT facilities, a requisition is placed to the institute maintenance cell. This team investigates the problem and solves those issues if within their technical limits. Critical maintenance issues of laboratory equipment and IT facilities are outsourced to concerned external agencies for servicing / maintenance / repair as per defined procedure.

1.Support facilities:

Sport Complex

The indoor and outdoor sports complexes including gymnasium is used by the students on almost daily basis for physical recreation and for practice sessions under the supervision of the physical director.

For any type of maintenance of the sports complex, the physical director forwards a requisition to the campus maintenance team through the Principal.

Buses and Light Motor Vehicles:

The institute has a fleet of 25 buses and 05 passenger vehicles. The students can avail the transport facility from the institute after payment of fees as pre-defined by the institute. The staff can avail transport facility free of cost simply by registering for the same.

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

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

1055

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	**No File Uploaded**
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

472

File Description	Documents
Upload any additional information	**No File Uploaded**
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	**B. 3 of the above**

File Description	Documents
Link to Institutional website	**Nil**
Any additional information	**No File Uploaded**
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

50

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

50

File Description	Documents
Any additional information	**No File Uploaded**
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 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	**E. None of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	**No File Uploaded**
Upload any additional information	**No File Uploaded**
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

30

File Description	Documents
Self-attested list of students placed	**No File Uploaded**
Upload any additional information	**No File Uploaded**
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

07

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	**No File Uploaded**
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

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
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.

00

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 univer sity/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' Council is to the established every year during the first term. As per clause 3 of Section 40 (3) of the said M.U. Act, 1994 each college / institute has to elect one university representative.

The name of the said student is then to be communicated to the Director, Board of Students' Welfare immediately on the date specified. Late

nominations will not be entertained. As per section 40 (2) (b) of the said M. U. Act, 1994 the college / institute has to from the Students Council and inform the names of the same to the Director, Board of Students' Welfare.

The council comprises of the Principal, one Faculty member, National Service Scheme Program Officer, Director of Sports and Physical Education, one representative from Sports, NSS and cultural activities, one elected student from each class and two elected Girls student members.

The Sapkal Knowledge Hub Student Council (SKHSC) is also a student association with a perfect blend of clubs to produce competent students to face the newer challenges of today's globalized world through holistic development. This council provides a platform for students to support, share and excel in the potential qualities.

The activities are conducted under various Clubs & Cells of SKHSC are as follows:

- SKH Art Club
- Media Centre
- Engineering Association
- Sport Centre
- Health Safety and Environment club
- Student welfare board.

Constitution of student's council:

1. President
2. Vice president (student's activities)
3. Secretary
4. Treasurer
5. OMS student's representative
6. 10 Council members

Selection Process: The Office bearers of the SSC are elected through an offline process which includes:

- Registration – Application Letter with recommendation from HOD/PRINCIPAL
- Interview – By selection Committee consisting of senior

- faculty/HOD
  - Campaigning – Student Notice Board
  - Elections – Results Based on Voting.

The institute has student representatives in many of the academic and administrative bodies for effective functioning of the same. Some of the bodies are listed below:

- Women Harassment Cell
- Anti Ragging Committee
- Training and Placement Cell
- Student Council
- National Service Scheme
- Cultural/Sports Committee
- Social Initiatives
- Student grievance readressal committee
- Hostel Committee
- Mess/Canteen Committee

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

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

00

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
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)	No File Uploaded

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

The first batch of students graduated in the year 2012 – 13. Immediately in the next year, the college initiated the activity of establishment of alumni association. For this, the Principal has constituted a committee which comprises of a President, Working President, Vice President, Secretary, Joint Secretary, Treasurer, Dean Alumni Affairs and Alumni Members. In order to maintain the liaison between the alumni and existing students the committee had decided to conduct at least one alumni meet per year. Based on this resolution the institute organizes alumni meet every year. The alumni association was latter registered with the Charity Commissioner of Nashik under the Registration of Societies Act and now has a legal standing (Reg. No. F16759 & date 08/11/2016).

The alumni association promotes and fosters mutually beneficial interaction between the alumni and the institute. The Head of various Departments, faculties and staff are in constant touch with the alumni through e-mail and social media. Alumni association is contributing in the long-lasting interest and development of the institute as below:

Expert lectures: The institute has developed a practice to invite alumni on regular basis to deliver expert talks and share their experiences. Industrial visit: For many programs, industrial visits are part of curriculum. So as to give the exposure of industrial environment and to meet curriculum requirement institute seeks the help of working alumni's in various industries. Support for project work: Alumni helps the existing students for the selection and sponsorship of their final year industrial project. Evaluation of student projects: Institute motivates the practice of involving the alumni's for the evaluation of student projects. Support for internship: The alumni's help in identifying suitable industry for internship of the existing students. Groom students through training and placement activities: The Alumni Association in collaboration with the Training and Placement Cell have initiated a number of activities for the grooming and placement of the students. Provide guidance for higher education in foreign institutes: The alumina's who are pursuing the higher education in abroad or reputed institutes help the existing interested students. Alumni feedback: Continuous feedback from the alumni's help the institute to improve the teachinglearning process, placement and support offered to the students.

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

Institute vision:

To become globally recognized engineering institute through innovation, research and quality education.

Institute Mission:

To become a leading technical institution by achieving excellence in teaching-learning process and providing an environment helpful for nurturing innovation, creativity, team spirit, moral ethics and leadership for the welfare of the society.

The institute follows a collective model of governance with various stakeholders participating in the decision making process for achieving the institute's vision and mission. Such a model ensures transparency and accountability due to participation of stakeholders in the decision making process.

In order to achieve the institute's vision and mission, the Principal in consultation with the management has formulated perspective as well as strategic plans.

Following are the perspective plans:

- Promote students' progression to higher education and self-

employment
- Enhance students' training and placements
- Train students to inculcate values of moral and professional ethics
- Promote use of technology in all academic and administrative processes
- Apply for accreditation from agencies like NAAC and NBA
- Apply for quality certification from organizations like ISO

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

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

The institute has established a simple yet robust organization structure for decentralisation of its daily decisions and operations. The organisation structure originates from the Management and is assisted by the Governing Body and Local Management Committee in finalising policies, strategies and decisions. The responsibility of implementation of policies, strategies and decisions lies with the Principal who is also a part of the Governing Body and Local Management Committee. The authority for implementation of policy and strategy based decisions are delegated by the Principal to various Deans, Department Heads and Section Heads. These authorities further empower the cell / committee / bodies coordinators for implementation of policy and strategy based decisions.

The organisation of 'TECHNOFEST', a 'National Level Technical Symposium' in the institute can be well used to demonstrate the institutional practice of decentralisation of authority and participation of employees and students. This mega technical event collectively hosted by all departments attracts more than 1000 participants and integrates all level of employees as well as students to work as a team demonstrating decentralisation and participative management.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan: Promote activities for enhancement of faculty profile

Of the many strategic plans, enhancement of faculty profile is in one of the major area in which the institute would like to strengthen itself in the benefit of the students and the institute. Accordingly, a number of measures for the same have been undertaken and are as follows:

1. Sponsorship for Higher Education

2. Teaching with Technology

3. Handling New Curriculum

4. Participation in faculty development programs, etc.

6. Availability as resource person

7. Membership of Professional Bodies

8. Promotion of Research Culture

9. Funding for Research Activities

10. Extension Activities

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	**Nil**
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.

The organizational structure of Late G N Sapkal College of Engineering like most other higher educational institute is a vertical one with power emanating from the top down.

The Board of Trustees also called Management is at the top of the structure. The Management is assisted by the Governing Body and Local Management Committee, which are formed in accordance to the rules set by statutory regulatory authorities, in decision making of various academic and administrative requirements. The Trustees and Principal are members of the Governing Body and Local Management Committee. The Principal acts as a bridge between the management and the employees and is assisted by a core team which comprises of Deans, Head of various Departments and IQAC Coordinator in implementing and monitoring the perspective and strategic plans to achieve the institute's vision and mission. The Deans are assigned the responsibility of mentoring various cells / bodies / committees which comprises of the teaching staff, non-teaching staff and students as per the need.

The institute has established various cells.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	**Nil**
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	E. None of the above

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

6.3 - Faculty Empowerment Strategies

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

The Management of Kalyani Charitable Trust has implemented a number of academic, financial and health welfare measures for the benefit of the employees of Late G. N. Sapkal College of Engineering since establishment of the institute, i.e. AY 2009-10. These welfare measures are listed as below:

Academic welfare measures

Financial welfare measures

Health welfare measures

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	<u>View File</u>

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

01

File Description	Documents
Upload any additional information	**No File Uploaded**
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

00

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

26

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
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

Performance appraisal, which is considered as one of the most important practices for human resource management, exists in our institute. This appraisal system seeks to incorporate accountability and improvement in the employees by documenting their performances to provide information and justification for compensation, promotion, and sometimes disciplinary actions. The institutional appraisal framework assesses a faculty based on his/her academic engagement and outcomes in terms of examination result, student feedback, research contribution, involvement in university work, participation in institute activities, participation in professional activities and self-improvement initiatives.

The non-teaching technical staffs are assessed for their job performance which includes engaging students in laboratory and participation in administrative work at institute and university level. They are also assessed for efforts taken for self-improvements and professional engagements.

At the end of academic year, i.e., in the month of May / June all employees submit their self-appraisal to their respective section / department head. The section / department head reviews the self-appraisal sheet of the individual employee and forwards it to the Principal. The Principal reviews and recommends the appraisal of the employee to the Management for their final approval.

File Description	Documents
Paste link for additional information	Nil
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

The institutes prepares its financial statements, viz., 'Income and Expenditure Account' and 'Balance Sheet', in accordance to 'accounting standards' laid down by the Institute of Charted Accountants of India. This Income and Expenditure account which is prepared from 'Receipts and Payments Account' reflects the deficit/surplus resulting from the activities carried out by the institute during a financial year. The balance sheet reflects the state of asset and liabilities as on the date of balance sheet. The institutions calculates the cost of depreciable asset over its useful life and accordingly charges depreciation to the income and expenditure account.

The institutes carries out internal audit every six months for appraisal of its operations and evaluation and monitoring of risk management, reporting and control practices. The institute also carries out external audit on an yearly basis (from beginning of April to the end of March of the subsequent year) to ensure compliance with all applicable revenue rules, catching small problems before they become serious, provide more credibility to the institute's financial statements and critique institutes internal processes.

In both cases of audit, objections have found to be raised. The institute has a mechanism for settling such audit objections.

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

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)

00

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 college has a well formulated financial policy which ensures availability as well as effective and optimal utilization of finances for academic, administrative and development purposes. Grants received from funding agencies like, AICTE, DST and affiliating university, etc., serve as a supplementary source of funding. The balance amount is managed from Kalyani Charitable Trust or through bank loan.

The institute has a simple yet robust mechanism as described below to ensure optimal utilisation of the resources:

- **The budget for the forthcoming year is prepared well in advance by each department in accordance to its need like, purchase of new equipment, computers, consumables, semi-consumables, etc. and submitted to the Principal for approval.**
- **The accounts department then prepares the institute's budget considering salary heads and nonsalary heads like maintenance, housekeeping, promotional activities, electrical expenses, etc., including the departmental requirements.**
- **The institute's budget is then submitted to the management for review and approval.**
- **Based on the priorities of the institute and various departments, the funds are made available by the management.**
- **For day to day monitoring and control of cash, fund availability and utilisation statement is maintained by the institute.**

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

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 internal quality assurance cell has been established with the objectives of improving the academic and administrative performance of the institute and promoting of measures for enhancement and assurance of quality through internalization of quality culture and institutionalization of best practices. Following activity introduced by the institute asquality assurance measures:

NPTEL Online Courses and Certification: The institute has established a local NPTEL chapter with the objective of self-assessment of faculties and students through NPTEL online courses. The participant is engaged in learning the course through video lectures. It help the students to develop better understanding of the courses under study and improvement of their performance in the university examinations.

Online Mock Test: By using variousonline portal multiple choice questions that have been uploaded by the institute faculties. The faculties can also avail access to question bank uploaded by faculties of other institutes and make them available to his/her students. All these questions are available to the students who are registered users of the portal. Each student can appear for an online exam generated by the concerned course instructor or can solve each question individually. The test result is made available to the students

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

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 institute has set up an academic monitoring committee to continuously monitor the conduction of the lectures and practical. After establishment of the IQAC, a review of teaching-learning process was done based on two aspects, viz., review of the activities performed by faculties and non-teaching technical staff in consonance to their responsibilities and review of the methods by which faculties, departments and the institute works to continuously improve teaching quality and assure themselves that the activities are appropriate and well executed.

Although consciously working on improving performance indicators like number of enrolments, number of faculties, deputation of faculties for FDPs, STTPs, STCs, etc., it was felt that these indicators were too crude to ensure quality in the teaching-learning process. More refined approach like assessment and accreditation followed by process review for quality assurance was the answer. With the help of this review, the IQAC suggested a couple of teaching-learning reforms that were hand in hand with the objectives of assessment and accreditation process. One such initiative is the establishment of 'Teaching Learning Development Cell (TLDC)' with the purpose of adopting the best teaching-learning practices for all round development of the students and enhancement in teaching quality of the faculties.

File Description	Documents
Paste link for additional information	Nil
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)	E. None of the above

File Description	Documents
Paste web link of Annual reports of Institution	**Nil**
Upload e-copies of the accreditations and certifications	**No File Uploaded**
Upload any additional information	**No File Uploaded**
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

Safety and security: 1. Dedicated security personals. 2. CCTV cameras 3. Internal Complaints Committee.

4. Discipline monitoring cells like anti-ragging cell as well as student welfare board. 5. A full time matron is made available in the girl's hostel.

Counselling: A teacher-guardian scheme has been incorporated in the institute for addressing academic as well as non-academic issues of the students.The institute has appointed a lady counsellor who helps them in addressing the psychological and physical issues of girl students. The institute has even appointed a full time medical practitioner and nurse for their medical care. Apart from solving individual problems, the institute also works towards sensitizing the students as well as staff on gender issues making them aware of the social, moral and legal implication associated with gender discrimination by organising gender equity sessions.

Common Room: This is a social space necessary for a healthy recreation and mutual contact among the students. The institute has made available common rooms for boys and girls as per the requirement. Recreational facilities are made available in the common room. The Principal has nominated staff members to manage the common rooms. Locker facility is also provided.

File Description	Documents
Annual gender sensitization action plan	https://www.lgnscoe.sapkalknowledgehub.org/document/7.1.1 - Annual Action Plan_2020-21.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	C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

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

Solid waste management: The solid waste before disposal is categorised into degradable and nondegradable waste. The waste like remains of plants and kitchen waste are disposed by means of composting. Non-degradable waste like, plastic wrappers, sheets, etc., are collected at source by placing trash bins at suitable locations. This plastic waste is then disposed safely through a plastic recycling agency.

Liquid waste management: Although being situated in the hilly terrain with no support from the local government authorities, the institute disposes its liquid waste into the environment safely. A septic tank has been built to separate solid waste. The liquid waste is then discharged into a leach field where the dissolved solids are absorbed by soil and clear water then moves by gravity deep into the earth to rejuvenate the ground water level. E-waste management: The institute has a centralized procedure to collect e-waste. The

electronic gadgets that make up for the e-waste are written off and then collected centrally. They are sold to e-recycler for environmental friendly disposal. The institute has entered into a MoU with different agencies for the same. Components like resistors, capacitors, inductors, diodes, transistors, thyristors, etc., of the electronic gadgets are reused in laboratory demonstrations.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

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	**No File Uploaded**
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	<u>View File</u>

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	**E. None 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	**No File Uploaded**

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 : Human assistance, reader, scribe, soft copies of reading material, screen reading	**A. Any 4 or all of the above**

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	**No File Uploaded**

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).

- **Events Summary**

Sr. No.

Events Details

Day of Celebration every year

1

World Water Day

22nd March

2

World Earth Day

22nd April

3

National Girl Child Day

24th January

4

National Youth Day

(Birth Anniversary of Jijamata & Swami Vivekand)

12th January

5

World Book Day

23rd April

6

Birth Anniversary of Savitribai Phule

03rd January

7

National Science Day

28th February

8

International Women's Day

08th March

The institution is taking several efforts and initiatives in providing an inclusive environment.

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducted several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. Organization of National and International Days, Events in the campus with the initiative and support of the management as well as to develop the emotional and religious feelings among the students and the faculty for not only recreation and amusement but also to generate the feeling of oneness and social harmony.

The institute has taken many extra efforts to provide a very inclusive environment for the students and faculties as well.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

- **Events Summary**

Sr. No.

Events Details

Day of Celebration every year

1

Road Safety Week

11th to 17th January

2

World Health Day

07th April

3

Constitution Day

26th November

4

Human Rights Day

10th December

5

World Cancer Day

4th February

6

National Safety Day

04th March

 At LGNSCOE, we believe in giving holistic all round education to the students & sensitizing students on our constitutional rights, values, duties and responsibilities is one of the primary educations given at the institute through various means.

 Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. As per university syllabus honors / minors programs are available for students such as cyber security & internet of things. In this subject students study various concepts related to cybercrime, cyberspace, Indian IT act etc. Also, all students take a course on Environment studies in their first year which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
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

D. Any 1 of the above

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	**No File Uploaded**

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

Yes, the Institution organizes national festivals and birth / death anniversaries of the great Indian personalities. National festivals like Republic Day (26th January), Independence Day (15th August) are celebrated every year with great pomp and vigour. The tricolour flag is hoisted and is followed by cultural events. Other festivals like Teachers day, Engineers day, Gurupournima are also celebrated. The students are briefed about the significance of these events in their personal lives and its need for the society. Birth anniversaries of national leaders like Chatrapati Shri Shivaji Maharaj, Rajamata Jijabai Bhosale, Father of nation Mahatma Gandhi, youth icon Shri Swami Vivekanand, Sardar Valabhbhai Patel (National Unity Day), etc., are also celebrated in the institute. The institute also observes Yoga day, Constitution Day, Jal Din, Environment day and their importance is briefed to the staff and students.

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

1. Title: Effective Teaching Learning System

Best Practice – II

1. Title: Departmental Students Association

File Description	Documents
Best practices in the Institutional website	https://www.lgnscoe.sapkalknowledgehub.org/document/7.2.1 Best Practices_2020-21.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

The field of engineering is dynamic and it is anticipated from engineers to develop themselves to work across various disciplines, with others, and continually adapt to new challenges. The institute has thus developed a practice to bridge the skill gap that exists within its students as follows:

• At the second year level, the university has introduced courses like soft skills, employability skills and development, industrial management, etc. For these courses, the institute has appointed professional trainers to improve the communication and writing skills of the students.

• At the third and final year level, the institute has introduced a one week training program for grooming students in aptitude, soft skills, interviews, group discussions and career counselling.

• In addition to this, the institute regularly organizes expert talks, seminars and workshop on subjectslike time management, risk management, skill development and motivational talks.

• The institute has constituted the 'Institute-Industry and Institute-Institute Interaction Cell'. This cell has collaborated with a number of industries in the form of MOUs and linkages.

- **The institute motivates students to undertake internship and the final year project work in industry so that they become familiar with the industry culture andenhance their employability probability.**

File Description	Documents
Appropriate web in the Institutional website	[View File](#)
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

- **Academic and Administrative Audit of the Institute.**
- **Standardization of Feedback System from all the stake holders such as students, Alumni, Parents and Faculties.**
- **Expert talk on Quality Awareness.**
- **Improve industry interaction by signing of MOU's, establishment of industry linkages, arranging industrial visits and expert talk of industry persons.**
- **Increase the student participation in programs organized for inculcating value system among students.**