Yearly Status Report - 2018-2019

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 own campus	**Yes**
Phone no/Alternate Phone no.	**02594-220175**
Mobile no.	**9922252699**
Registered Email	**gns_engineering@sapkalknowledgehub.org**
Alternate Email	**principal.lgnscoe@sapkalknowledgehub.org**
Address	**Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Tal. Trimbakeshwar, Dist. Nashik, (MS) Pin - 422213**
City/Town	**Nashik**
State/UT	**Maharashtra**

Pincode	**422213**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Sachin S. Harak**
Phone no/Alternate Phone no.	**02594220165**
Mobile no.	**9850001643**
Registered Email	**sachin.harak@sapkalknowledgehub.org**
Alternate Email	**sachin.s.harak@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.lgnscoe.sapkalknowledgehub.org/

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.lgnscoe.sapkalknowledgehub.org/document/academic-calender/academic_calendar_2018-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.23**	**2018**	**30-Nov-2018**	**29-Nov-2023**

6. Date of Establishment of IQAC	**24-Jul-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Staff profile up-gradation	01-Jul-2018 00	0
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Computer Department	QIP	SPPU	2018 2	200000
E&TC Department	QIP	SPPU	2018 2	100000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File

10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File

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

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

Nil

View File

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

Plan of Action	Achivements/Outcomes
Staff profile up-gradation	Nil
View File	

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	29-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Organisation Module – Following are the facilities available • Assigning of rights to user like Principal, HOD, Faculty, Exam Section, etc. • Addition of students / Updation of data • Migration / Promotion of students to next class / Change of Division • Generation of enrolment number of students • Defining of Practical Batches • Feeding of Teaching plan Student – Following are the facilities available • Updation of student profile • Can visualise class, subject teacher, practical batches, percentage attendance • Can download attendance report • Can download assignment Employee Module – Following are the facilities available • Employee information addition / Updation • Online attendance filling lecture, Practical's Attendance • Report of attendance Online leave module – Following are the facilities available • Online leave form filling • Alternate teacher arrangement • Forward to Alternate Teacheraccept / reject HOD – accept / Reject Admin Department • Record of leave used / balance Timetable Module – Following are the facilities available • Class wise timetable feeding • Batch allotment • Classroom allotment • Teacher allotment to lecture practical Academic Monitoring system – Following are the facilities available • HoD can monitor status of lectures conducted, student attendance for lectures practical •

| | Progress of syllabus • Exam result analysis Feedback Module – Following are the facilities available • Can customise feedback form parameters • Can allot form to respective Class • Feedback form Start date and End date can be Defined • Feedback report for individual staff can be generated |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

Being an University affiliated institute, a systematic mechanism has been developed for implementation of university curriculum: Stage I: Preparation of Teaching Aids (before 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 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 issues. The teacher guardian, counsels a selected / allocated group of students & maintains separate record of the same. 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 & COs is carried out

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Nil	Nil	Nil	0	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Elective IV (404192) – (Final Year E&TC Engg)	15/06/2018
BE	Elective III (404191) – (Final Year E&TC Engg)	15/06/2018
BE	Audit Course 5 - (Final Year E&TC Engg)	15/06/2018
BE	Lab Practice II (VLSI & Elective I) (404187) – (Final Year E&TC Engg)	15/06/2018
BE	Lab Practice I (CNS & RMT) (404186) - (Final Year E&TC Engg)	15/06/2018
BE	Elective II (404185) – (Final Year E&TC Engg)	15/06/2018
BE	Elective I (404184) – (Final Year E&TC Engg)	15/06/2018
BE	Radiation and Microwave Techniques (404183) – (Final Year E&TC Engg)	15/06/2018
BE	Computer Networks and Security (404182) – (Final Year E&TC Engg)	15/06/2018
BE	Advanced Surveying (301007) - Civil Engg (Third Year)	15/06/2018
	[View File](#)	

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	15/06/2018
BE	Computer Engineering	15/06/2018
BE	Electrical Engineering	15/06/2018
BE	Electronics and Telecommunication	15/06/2018

	Engineering	
BE	Mechanical Engineering	15/06/2018
ME	Civil Engineering (Structures)	15/06/2018
ME	Computer Engineering	15/06/2018
ME	Electronics & Telecommunication Engineering (Signal Processing))	15/06/2018
ME	Mechanical Engineering (Design Engineering)	15/06/2018

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Nil	Nill	Nill
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	39
BE	Computer Engineering	23
BE	Electrical Engineering	19
BE	Electronics and Telecommunication Engineering	3
BE	Mechanical Engineering	129
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Institute has established a well-defined mechanism to obtain feedback of Academic (Theory / Practical) and administrative facilities provided to students. The feedback so obtained from stakeholders is considered for the

development of the Institution on various fronts. Feedback from stakeholders like alumni, employers and parents is analyzed. The input received plays a key role in enriching the curriculum by incorporating corrective measures. It also helps to fulfill the needs of technological upgradation. The feedback responses of the stakeholders are reviewed by the Heads of Department / Principal / Management for taking necessary action. The feedback of students is analyzed and conveyed to the faculty members through proper channel for improvements in the teaching methodology of staff as well as effective implementation and delivery of curriculum. It also helps to improve facilities like classroom, sports infrastructure, and those required for research and consultancy activities. Parents feedback helps to identify improvement necessary in learning resources such as library, laboratories, training and placement support in the institute. It also helps in improvement in amenities provided by institute such as canteen, hostel, transportation facility, etc. Extra-curricular activities are arranged regularly for enhancement of student personality. Employer's feedback helps in visualizing: the field and market demands, the need for imparting communication skills, leadership and managerial qualities, as well as knowledge on emerging technologies and advanced innovative practices. Based on this feedback, the institute also organizes various training related to placement and market needs. Alumni feedback evaluates the need for improvement in various aspects like life skill enhancement, aptitude building, software literacy, additional facilities in infrastructure / laboratories. Soft skill development programs are organized through alumni guest lectures. Alumni feedback is collected during every alumni meet To comply with the parents and alumnus feedback additional Workshops, Seminars, Software Courses, GATE Exams Coaching, Soft Skills Courses, Expert Lectures by alumni and motivational speakers are arranged throughout the academic year.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
PhD or DPhil	Civil Engineering	8	Nill	Nill
BE	Civil Engineering	120	26	7
BE	Computer Engineering	60	39	35
BE	Electrical Engineering	60	1	1
BE	Electronics and Telecommunication Engineering	60	1	Nill
BE	Mechanical Engineering	120	15	2
ME	Civil Engineering (Structures)	15	14	14
ME	Computer Engineering	15	Nill	Nill

ME	Electronics and Telecommuni cation Engineering (Signal Processing)	15	1	1
ME	Mechanical Engineering (Design)	15	4	3

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1592	47	130	12	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
142	142	12	10	5	11

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

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

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

A teacher-guardian scheme has been incorporated in the institute for addressing academic as well as non-academic issues of the students. The role of the guardian teacher is to mentor the students individually to solve their academic and non-academic issues. One teacher is nominated as 'Teacher Guardian' for an average batch size of about 15-20 students. Teacher Guardian works as a philosopher and guide for these students. The Teacher Guardian also tries to solve the domestic problems of students. Teacher Guardian keeps record of student enrollment number, name, address, contact number, parent details along with the monthly attendance (of each subject for every semester), interaction with parents, postal interaction records, semester-wise results of all subjects in a customized Teacher Guardian book. The Teacher Guardian monitors the attendance of students under his supervision. The Teacher Guardian also monitors the academic performance of each student. If any student remains absent continuously for lectures and laboratory work, then the teacher guardian calls the students seeking explanation regarding absenteeism. If need arises, parents of the student are contacted and are informed about the absence of their ward and are also questioned about reason for the absence. If required teacher guardian calls the parents on phone on the basis of weekly monitoring. Teacher guardian counseling about learning strategies. In consultation with HOD, teacher guardian takes punitive for the improvement of the student. In case, the guardian teacher is not able to address any issue of a student, the Teacher Guardian then share their critical observations about that student with the head of department who may then try to resolve it or if necessary, roll it further, to a counselor through the Head of the Institute.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1639	142	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
121	142	Nill	18	5

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Prashant Ashok Kale	Assistant Professor	Longest Continuous SBC for Region VI, Computer Society of India (CSI)
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
ME	518219110, 518224510, 518235810, 518290410	Even Semester	06/06/2019	14/08/2019
ME	518219110, 518224510, 518235810, 518290410	Odd Semester	27/12/2018	18/03/2019
BE	518219110, 518224510, 518237210, 518229310, 518261210	Even Semester	28/05/2019	21/07/2019
BE	518219110, 518224510, 518237210, 518229310, 518261210	Odd Semester	29/12/2018	12/02/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The students are evaluated internally for their performance in unit test, assignments, laboratory work, open book test, presentations, seminar 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. 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. Continuous Internal Evaluation System (AY 2017-18 onwards): Following are the reforms implemented: • The students are evaluated for learning goals based on blooms taxonomy. • For knowledge based assessment (KBA), the students are tasked with any of the following six writing activities: Tutorials, Monthly tests, Assignments, Open book tests, Class tests and Case study. • The students are also assessed for KBA on the basis of any of the following seven verbal activities: Debate, Group discussions, Quiz, Oral presentations, Think-Pair-Share, Posters and Brain storming. • For skill based assessment, any of the following activities: Lab-work, Mini-projects, Project-work, Case study, Simulations and Role play • For attitude based assessment, any of the following writing activities: Oral discussions, Quiz, Multiple choice questions, Debate, Group-discussions and Role play.

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

• For each academic year, the affiliating university declares schedule for conduction of various academic activities like, commencement of the semester, online examinations and in-semester examinations, end of the semester, oral and practical examinations, end semester examinations, vacations for staff and students. • Based on the University's academic calendar, the Academic monitoring committee (AMC) prepares the academic calendar of the institute. • Slots for extra academic, cultural sports activities are also allotted based on inputs from various administrative and academic bodies / cells / committees. • After the approval by the Principal, the academic coordinator of each department then prepares the departmental academic calendar in consonance with the institute's academic calendar and includes schedule about the seminar and project work activities. • The academic calendar has a clear mention about the dates for conduction of In-semester exams, the mid-term submission and term end. • The schedule for assessment of the seminar and project activities is usually communicated to the students separately department wise as per the department academic calendar. • 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 as well as their parents. • The progress of the Seminar and Project work is also reviewed through a well-established mechanism. • The AMC thus ensures that the students are assessed on regular basis through class tests, mid-term submission and term-end submission of laboratory work, and presentations for Seminar and Project work as per rubrics developed.

2.6 – Student Performance and Learning Outcomes

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

http://www.engineering.sapkalknowledgehub.org/peo-comp-en.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
518219110	BE	Civil Engineering	131	101	77.10
518224510	BE	Computer Engineering	78	69	88.46

518229310	BE	Electrical Engineering	66	48	72.73
518237210	BE	Electronics and Telecomm unication Engineering	42	24	57.14
518261210	BE	Mechanical Engineering	237	174	73.42
518219110	ME	Civil Engineering (Structures)	12	12	100
518224510	ME	Computer Engineering	6	5	83.33
518235810	ME	Electronics and Telecomm unication Engineering (Signal Processing)	3	3	100
518290410	ME	Mechanical Engineering (Design)	3	3	100
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2.7 – Student Satisfaction Survey

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

 http://www.engineering.sapkalknowledgehub.org/document/01E%20-%20STUDENT%20S ATISFACTION%20SURVEY_OVERALL%20INSTITUTIONALK%20PERFORMANCE.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	365	Late G N Sapkal College of Engineering, Nashik	1	1
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Basics of Remote Sensing and GIS with QGIS hands on	Civil Engineering	02/07/2018

Basics of PLC,HMI SCADA	Electrical Engineering	17/07/2018
One day seminar on basics of PLC, HMI SCADA	Electronics and Telecommunication Engineering	17/07/2018
Expert Talk on Basic of Automation	Mechanical Engineering	18/07/2019
Automation Process	Electrical Engineering	24/08/2018
One day seminar on Agile scrum and CISCO Routing and Switching	Electronics and Telecommunication Engineering	29/08/2018
One day workshop on Cadence VLSI Tools	Electronics and Telecommunication Engineering	04/09/2018
One day seminar on " Introduction of Mat-lab Software"	Electronics and Telecommunication Engineering	18/09/2018
One day seminar on PCB designing in Altium and Introduction to Renesas	Electronics and Telecommunication Engineering	18/09/2018
One day workshop on Python and Image Processing	Electronics and Telecommunication Engineering	25/09/2018
AutoCAD	Electrical Engineering	25/09/2018
One day workshop on Basic Industrial Automation with PLC	Electronics and Telecommunication Engineering	27/09/2018
Basics of PLC SCADA Programing and its application	Electrical Engineering	04/10/2018
Expert Talk on Energy Conservation and Need of Energy Audit	Mechanical Engineering	23/08/2018
Writing Research Proposal to Fetch Grants	Institute Level (I5 Cell)	25/08/2018
Advances in Refrigeration and Air-Conditioning	Mechanical Engineering	25/08/2018
NX CAD Training Workshop	Mechanical Engineering	02/09/2018
Industrial Perspective of Manufacturing Processes	Mechanical Engineering	15/09/2018
Additive Manufacturing Rapid Prototyping Workshop	Mechanical Engineering	19/09/2018
Expert Talk on Advances in Pneumatics	Mechanical Engineering	27/09/2018
Expert talk on 'Overview of Turbo Machines'	Mechanical Engineering	05/10/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category

| Nil | Nil | Nil | Nill | Nil |

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Civil Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Engineering	9	7.18
International	Electrical Engineering	3	5.33
International	Electronics and Telecommunication Engineering	9	8.86
International	Mechanical Engineering	3	7.34

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

Department	Number of Publication
Mechanical Engineering	2
Civil Engineering	1
Electronics and Telecommunication Engineering	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Natural Scene Clas	Bagal S B	International	2018	0	Late G. N. Sapkal	1

sification Using Deep Learning		Conference on Computing, Communication, Control and Automation (ICCUBEA)			College of Engineering, Anjaneri , Nashik	
Iris Recognition System: A Novel Approach for Biometric Authentication	Bagal S B	International Conference on Computing, Communication, Control and Automation (ICCUBEA)	2018	0	Late G. N. Sapkal College of Engineering, Anjaneri , Nashik	Nill
An Efficient Implementation of Smith Waterman Algorithm Using Distributed Computing	Wankhade N R	International Conference on Computing, Communication, Control and Automation (ICCUBEA)	2018	0	Late G. N. Sapkal College of Engineering, Anjaneri , Nashik	Nill
EEG waveform classification using transform domain features and SVM	Baji S R	In: Iyer B., Nalbalwar S., Pathak N. (eds) Computing, Communication and Signal Processing. Advances in Intelligent Systems and Computing, vol 810. Springer	2018	0	Late G. N. Sapkal College of Engineering, Anjaneri , Nashik	Nill
Performance Study of Stamping Process Using Condition	Badgujar T Y	In book: Proceedings of International Conference on Intelligent Manuf	2018	0	Late G. N. Sapkal College of Engineering, Anjaneri , Nashik	Nill

Title of the Paper	Name of Author	Title of journal	Year of publication			Institutional affiliation as mentioned in the publication
Monitoring : A Review		acturing and Automation				
Detection of Punch Wear in Stamping Process Using Acoustic Emission	Badgujar T Y	Advances in Industrial and Production Engineerin g	2019	0		Late G. N. Sapkal College of Engineerin g, Anjaneri , Nashik

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Natural Scene Clas sification Using Deep Learning	Bagal S B	Internat ional Conference on Computing, Communicat ion, Control and Automation (ICCUBEA)	2018	2	1	Late G. N. Sapkal College of Engineerin g, Anjaneri , Nashik
Iris Rec ognition System: A Novel Approach for Biometric Authentica tion	Bagal S B	Internat ional Conference on Computing, Communicat ion, Control and Automation (ICCUBEA)	2018	2	Nill	Late G. N. Sapkal College of Engineerin g, Anjaneri , Nashik
An Efficient Implementa tion of Smith Waterman Algorithm Using Dist ributed Computing	Wankhade N R	Internat ional Conference on Computing, Communicat ion, Control and Automation (ICCUBEA)	2018	1	Nill	Late G. N. Sapkal College of Engineerin g, Anjaneri , Nashik
EEG waveform c lassificat	Baji S R	In: Iyer B., Nalbalwar	2018	Nill	Nill	Late G. N. Sapkal College of

ion using transform domain features and SVM	S., Pathak N. (eds) Computing, Communication and Signal Processing. Advances in Intelligent Systems and Computing, vol 810. Springer					Engineering, Anjaneri , Nashik
Performance Study of Stamping Process Using Condition Monitoring : A Review	Badgujar T Y	In book: Proceedings of International Conference on Intelligent Manufacturing and Automation	2018	1	Nill	Late G. N. Sapkal College of Engineering, Anjaneri , Nashik
Detection of Punch Wear in Stamping Process Using Acoustic Emission	Badgujar T Y	Advances in Industrial and Production Engineering	2019	1	Nill	Late G. N. Sapkal College of Engineering, Anjaneri , Nashik
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	4	8	Nill
Presented papers	6	Nill	Nill	Nill
Resource persons	Nill	Nill	1	1
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Donation Collection for IAB	National Service Scheme, Savitribai	9	50

Trust, Chennai	Phule Pune University		
Diwali Celebration with Aashram School	National Service Scheme, Savitribai Phule Pune University	2	20
Donation collection for Kerala Flood Relief	National Service Scheme, Savitribai Phule Pune University	9	50
Continuous Contour Trenches for Water Harvesting	National Service Scheme, Savitribai Phule Pune University	9	47
NSS Camp at Village Pimpalad	National Service Scheme, Savitribai Phule Pune University	9	47
Swachhata Hi Seva	National Service Scheme, Savitribai Phule Pune University	9	100
Poster Competition on Blood Donation Awareness	National Service Scheme, Savitribai Phule Pune University	9	50
Blood Donation Camp	Arpan Blood Bank, Nashik	9	125
Tree Plantation	National Service Scheme, Savitribai Phule Pune University	9	100
Yoga Din Celebration	National Service Scheme, Savitribai Phule Pune University	32	50
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 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nill
No file uploaded.			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Voter Awareness	Tahsil Office,	Voter Awareness	9	100

	Trimbakeshwar			
Aids Awareness	Civil Hospital, Trimbakeshwar	Blood Test for HIV and Awareness Session	9	47
Gender Issue	National Service Scheme, Savitribai Phule Pune University	Awareness rally on Girl Education	9	47
Gender Issue	National Service Scheme, Savitribai Phule Pune University	Street Play on Girl Child Education and Female Foeticide	9	47
Swachh Bharat Abhiyan	National Service Scheme, Savitribai Phule Pune University	NSS Day Celebration	9	100
Swachh Bharat Abhiyan	National Service Scheme, Savitribai Phule Pune University	Swachhta Pakhwada	9	100
Swachh Bharat Abhiyan	Sakal Media Group, Nashik	Nirmal Pheri (Nirmal Bramhagiri)	4	50
Road Safety Awareness	Road Transport Office, Nashik	Incredible India	2	15
Swachh Bharat Abhiyan	Ministry of Youth Affairs and Sports. Government of India	Swachh Bharat Summer Internship	9	77
No file uploaded.				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange	25	Self Finance	05
Faculty Exchange	172	Registration Fees	05
Faculty Exchange	67	Registration Fees	01
Student Exchange	131	Self Finance	01
Faculty Exchange	92	Registration Fees	05
No file uploaded.			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training	On-Job-Training	TECHNOCAD, nashik	02/07/2018	02/07/2018	67

No file uploaded.

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Department of Civil Engineering, Late G. N. Sapkal college of Engineering, Anjaneri, Nashik ALBEDO Foundation, Nashik	01/09/2018	Training	30
Department of Mechanical Engineering, Late G. N. Sapkal college of Engineering, Anjaneri, Nashik TECHNOCAD, Nashik	30/08/2018	Workshop	172

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
90.85	13.55

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing

Number of important equipments purchased (Greater than 1-0 lakh) during the current year	**Existing**
Value of the equipment purchased during the year (rs. in lakhs)	**Newly Added**
Others	**Existing**

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Autolib-NG	**Fully**	**2016**	**2009**

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	**10720**	**4733665**	**Nill**	**Nill**	**10720**	**4733665**
Reference Books	**6721**	**1666497**	**178**	**101028**	**6899**	**1767525**
e-Books	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**
Journals	**70**	**231414**	**Nill**	**Nill**	**70**	**231414**
e-Journals	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**
Digital Database	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**
CD & Video	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**
Library Automation	**1**	**30000**	**Nill**	**5000**	**1**	**35000**
Weeding (hard & soft)	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**
Others(specify)	**3**	**1400**	**Nill**	**Nill**	**3**	**1400**

No file uploaded.

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	**Nil**	**Nil**	**Nill**

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	460	18	3	1	1	1	5	50	0
Added	0	0	1	0	0	0	0	10	0
Total	460	18	4	1	1	1	5	60	0

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

60 MBPS/ GBPS

4.3.3 – Facility for e-content

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

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
281.4	224.69	320	297.89

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

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 maintenance as per a defined mechanism. In general, following is the procedure followed for utilization and maintenance of various facilities: a) Physical facilities: Civil Infrastructure Utilization: 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. b) Academic Facilities: Laboratory Equipment, Computers and Library Utilization: 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 utilization 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. c) Support facilities: Sport Complex Utilization: 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. Maintenance: 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: Utilization: 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. Maintenance: The motor mechanic performs daily maintenance and servicing of the buses and light motor vehicle.

http://www.engineering.sapkalknowledgehub.org/document/MAINTENANCE%20POLICIES%20&%20PROCEDURES.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Various Government Scholarship Schemes	1370	57693034.5
Financial Support from Other Sources			
a) National	Nil	Nill	0
b)International	Nil	Nill	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
1. Guidance for competitive examinations (UPSC/MPSC Exam Preparation Guidance)	11/07/2018	270	Unique Academy
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling	Number of students who have passedin the comp. exam	Number of studentsp placed

| 2018 | Campus Recruitment Training Development Programm (CRTDP) | Nill | 742 | Nill | 41 |

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

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
ESDS Software Solutions	14	1	Supreme Auto	1	1

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	Bachelor in Electrical Engineering	Electrical Engineering	Matoshri College of Management and Research Center, Eklahare, Nashik	Master of Business Administration
2019	1	Bachelor in Computer Engineering	Computer Engineering	University of New Haven, West Haven, CT, USA	Master in Science
2019	1	Bachelor in Mechanical Engineering	Mechanical Engineering	K. R. Sapkal College of Management and Studies, Anjaneri, Nashik	Master of Business Administration
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year

Items	Number of students selected/ qualifying
GRE	1
TOFEL	1

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

Activity	Level	Number of Participants
Indoor and Outdoor Sport Participation	Inter Institute	96
Indoor and Outdoor Sport Participation	Zonal	4

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Nil	National	Nill	Nill	Nil	Nil

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

The college has an active 'College Students Council' since 2012 which is constituted every year as per the affiliating University Act. This council organises extracurricular activities such as annual cultural fest 'ASTITVA' and national level technical symposium 'TECHNOFEST'. In both of these events, the students are involved in activities like preparing promotional material, promoting the event to their peers from others technical institutes, planning and preparation of activities like individual personality assessment, debates, sports and cultural events, funfair, art gallery, paper presentations, quizzes, project exhibition and various technical competitions. The students also represent the administrative and academic committees such as National Service Scheme, Training and Placement Cell, Alumni Cell, Anti ragging Committee, Students Development Cell, Sports Centre, Students Grievances Cell, Internal Complaints Committee and SKH Art Club.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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: ? 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 teaching learning process, placement and support offered to the students.

5.4.2 – No. of enrolled Alumni:

499

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

02

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Practice I: Functioning of Institutional Cell / Bodies The 'SKH ART CLUB' for example plans and prepares schedule of cultural events for the academic year of the institute considering the academic calendar. Conduction of any cultural event needs twofold approach, viz., planning and execution, as briefed below: 1. Preparation of Budget: The budget is prepared by the executive body of the Art Club. 2. Finalisation of Schedule: The executive body then finalises the schedule and the venue of the event in consultation with the institute authorities. 3. Promotion: The executive body notifies all the students about the event through circulars / leaflets. 4. Making Physical arrangements: All the student volunteers then work towards assimilation of necessary material (audio/video system, dais, podium, memento for guests, gifts for winners, and certificates for the participants) for the event. 5. Invitation: The executive body then sends invitation to the Chief Guest, Judges and other dignitaries. 6. Preparation of report: The executive body prepares and maintain record of the event including the photographs Videos (if necessary). Practice II: Functioning of Student Associations The institute has established a number of Student Associations in its various departments to promote involvement and leadership opportunities for students. The students are encouraged to participate in departmental programs to enhance their social, cultural and academic values. It provides a forum / platform to foster, encourage and build the sense of belonging among the members of the alumni, the students, the staff and

Management of the Institute with a common goal of overall development of the students. The structure of student association comprises of President, Vice-president, Treasurer and Student members along with one staff coordinator. The students of all the departments organize many events during the academic year under the aegis of their students association. The activities of each event is planned and managed by the students under the mentorship of their staff coordinator. The staff coordinator seeks guidance from the Head of Department about the outcome of the event. The planning and budgeting is carried out by the students and faculty. The Head of department reviews the same and seeks approval from the Head of Institute. The Head of Institute reviews the same and approves the budget in accordance to the provisions made by the Management in the yearly budget. Through this event, the students are exposed to an environment whereby they develop an ability to function independently and are closely supervised by the faculty while being supported by the higher authorities, thus giving them a sense of involvement. The faculties are also able to autonomously initiate activities to ensure success of their individual event.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	1. Improvement in Library resources and usage: The book count in all the Departmental Libraries of the institute has improved by an average of 11 and the usage of Departmental Libraries has improved by an average of 14 . 2. Standardization of Feedback System: Online feedback from various stakeholders made available from AY 2019-20.
Teaching and Learning	1. Integrate technology with teaching: The faculties have made available e-materials, assignments, multiple choice questionnaires to students through various tools for theory and practical courses. 2. Experiential and participative learning: Classroom activities like brainstorming sessions, group discussions, debates, quizzes, think-pair-share and peer teaching to involve the students in active learning have been undertaken. Individual activities like case studies, assignments, role play, oral and poster presentations help the students to reflect on their experience gained through learning. All these type of activities enables the students to develop their communication, presentation and stage audacious.
Examination and Evaluation	1. The students are evaluated

		internally for their performance in unit test / class test / open book test, assignments, term / laboratory work, seminar and projects. 2. The students are evaluated for the learning goals based on knowledge based assessment and skill based assessment.
Research and Development		The institute promotes research culture amongst faculties and students by motivating and facilitating them to participate in research related activities: 1. The institute encourages faculties to publish their research work in reputed journals and conferences. 2. In order to create and transfer knowledge the institute has set up an innovation ecosystem through establishment of Innovation Centre and an Institute-Industry and Institute-Institute Interaction Cell. 3. These cells organize the Seminars, Workshop, field Visits etc. for students and Faculty. 4. Signing of MoU's with different industries. 5. Establishment of Industry Linkages.
Library, ICT and Physical Infrastructure / Instrumentation		1. Around 178 new reference books valued at Rs. 101,028.00 have been added in the Library. 2. The Internet bandwidth has increased from 50 MB/s to 60 MB/s.
Human Resource Management		The institute motivates its manpower by: 1. Providing financial support to attend or participate in STTP's STC's and FDP's, NPTEL courses and Research conferences / workshops. 2. Providing financial support for membership fee of professional bodies. 3. Ensuring that each faculty participates / contributes in at-least one activity per semester. 4. Providing Health welfare measure such as Maternity Leave to all eligible employees. 5. Providing immediate fund to employees in case of Medical Emergency.
Industry Interaction / Collaboration		The Institute has excellent collaboration with Industries, Academic as well as Professional Bodies. It has signed MOUs and Linkages with several esteemed organizations and through it has: 1. Invited experts from various industries for seminars and workshops in order to enhance knowledge of students and encourage them in Industrial / Field Projects for gaining practical insights. 2. Conducted seminar on Research Methodology and

	Patenting. 3. Ensured participation of faculties in conferences and Publications. 4. Developed an indigenous Racing Car for participation of students in national events. 5. Organized Seminars, Workshop, field Visits etc. for students and Faculty upgradation.
Admission of Students	Following policies are adopted for admission of students to our institute: 1. The institute makes aware students from different segments of the society about various Government Scholarship is provided by Institute. 2. The institute provides concession in fees to students of branches like Electrical, Computer and Electronics and Telecommunication. 3. Teacher guardian scheme to attract quality students. 4. Campaigning about the Institute is done in rural areas so that students from rural areas will get information about college and will thus help in improvement of admission. 5. Institute has adopted the mode of social media like Facebook, Instagram and WhatsApp so that it will be easy to reach to students. 6. Seminars are conducted on regular basis in the institute for Grade-XII students so that they will be aware of new admission process and documents required at the time of admission.

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

E-governace area	Details
Planning and Development	Academic and Administrative planning and execution through various modules of ERP.
Administration	Official communication such as Office Order, Notices, Circulars, etc are through e-mail and Whatsapp.
Finance and Accounts	Use of Tally for all financial transactions related to student and staff.
Student Admission and Support	Use of ERP software.
Examination	The institute uses online examination system provided by the Affiliating University for all the activities of examination such as form filling, payment of exam fees, issue of examination Hall ticket, mark entry and declaration of result.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee

of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Kishore W. Kale	Two Days State Level Workshop on "Advances in industrial engineering Management (AIEM)"	---	300
		[View File](#)		

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Two days workshop on 'Smart Data Analytics'	Nill	04/01/2019	05/01/2019	25	Nill
2019	Two days workshop on 'Computer Networking and Security'	Nill	22/02/2019	23/02/2019	25	Nill
			No file uploaded.			

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Two days State Level Workshop on "Research Methodology"	1	20/12/2018	21/12/2018	02
Two Days University Level Workshop on "Quality Enhancement in Examination	1	21/12/2018	22/12/2018	02

Evaluation"					
Two Days workshop on "Faculty development program on Laboratory practice-III"	2	21/12/2018	22/12/2018	02
Two Days State Level Workshop on "Advances in industrial engineering Management (AIEM)"	2	21/12/2018	22/12/2018	02
Two Days Interdisciplinary National Conference on "Computer Applications and Use of Recent Techniques in Science"	1	28/12/2018	29/12/2018	02
Two Day National Level Workshop on "Design Simulation and Implementation of Signal Processing Applications"	1	03/01/2019	04/01/2019	02
Two Days State Level Workshop on "Energy audit and Management"	1	11/01/2019	12/01/2019	02
One Day Workshop on Syllabus Implementation workshop for the subject "Mechanical System Design"	1	14/01/2019	14/01/2019	01
One Day Syllabus Implementation workshop on Elective-IV for the subject "Product Design	1	28/01/2019	28/01/2019	01

development / Advance Manufacturing Process / Wind Solar Energy"				
Two Days State Level Seminar on "Recent Trends in Communication and Computing Technologies"	1	15/02/2019	16/02/2019	02

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
99	43	39	30

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. The institute deputes faculties to attend conferences / workshops. 2. The institute organizes various professional development / administrative training programs for teaching and non-teaching staff. 3. The institute encourages its teaching faculties for higher studies by providing necessary support. 4. Financial support to attend conferences / workshops and membership fee of professional bodies. 5. Free transportation facility to all non-residential employees. 6. Free uniform to all employees. 7. Contributes to the PF account of all eligible employees. 8. Provides Maternity Leave to all eligible employees. 9. Provides immediate fund to employees in case of Medical Emergency.	1. Free residential facility for Class-IV employees in the campus. 2. Free transportation facility to all non-residential employees. 3. Free uniform to all employees. 4. Provides Maternity Leave to all eligible employees. 5. Provides immediate fund to employees in case of Medical Emergency.	1. The institute had provided concession in Tuition Fees as below: Computer Engineering Department (111 students) Rs. 18,22,494/- Electrical Engineering Department (111 students) Rs. 13,64,055/- ETC Engineering Department (21 students) Rs. 3,42,675/- 2. The institute also awarded 'Late. G N Sapkal Merit Scholarship' to 21 students amounting to Rs. 4,11,534/- 3. The institute also awards price money of Rs. 21,000/- to the first topper of each of the five departments every year.

6.4 – Financial Management and Resource Mobilization

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

The institute prepares its financial statements (Balance Sheet) in accordance to 'accounting standards' from 'Receipts and Payments Account'. The balance sheet reflects the state of asset and liabilities as on the date. The institution calculates the cost of depreciating asset over its useful life and accordingly charges depreciation to the income and expenditure account. The institute 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 yearly basis to ensure compliance with all applicable revenue rules.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	---

No file uploaded.

6.4.3 – Total corpus fund generated

0.00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	No	Nill
Administrative	No	Nill	No	Nill

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

Nil

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

Nil

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

Staff profile up-gradation Student profile up-gradation Standardization of feedback form and feedback system

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Nil	Nill	Nill	Nill	Nill

No file uploaded.

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
An awareness seminar on 'Organic sanitary napkins for menstrual hygiene'	26/06/2018	26/06/2018	250	10
Awareness program on 'Women's Safety'	05/10/2018	05/10/2018	63	13
Women's Day 2019 Celebration	08/03/2019	08/03/2019	95	47

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

Percentage of power requirement of the University met by the renewable energy sources
19.71

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

2018	1	Nill	01/06/2018	61	Facilitation Center (Document Verification Center)	Document verification centre for students First Year Engineering Direct second Year Engineering	165

View File

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct Handbook	09/02/2018	Code of conduct handbook exists and applies to all Faculty, Technical Staff, Administrative Staff and Students of Late G N Sapkal College of Engineering. The Code applies for all activities within the scope when representing the Institute in any capacity. A copy of the code is provided at orientations of new students and employees. All Institute authorities are familiar with the requirements of the Code, and are expected to encourage students and employees to apply the Code to their daily activities and decisions. The code of conduct handbook is made available on the institute website for facility of all.

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

Activity	Duration From	Duration To	Number of participants
Yoga Day Celebration	21/06/2018	21/06/2018	72
Tree Plantation	20/07/2018	20/07/2018	54

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)
1. Public Transport: The institute has more than 30 buses for transportation. The students are charged reasonably and staff members are provided free transport facility to discourage them from using their own vehicles. 2. Pedestrian friendly roads: The internal roads in the campus are wide and clean, flanked with flower beds and have negligible vehicular movement. 3. Plastic free campus: Instructions are displayed at various locations so that the campus remains plastic free. The institute has also designed their own paper and cotton bags and motivates the faculty and students to use them instead of plastic ones. 4. Paperless office: ERP and mailing system are used for all types of communication. One side printed papers are used from the other side for draft work and students have been strictly instructed to use both sides of the paper for all kind of work. 5. Green landscaping with trees and plants: The campus has significant greenery covering all over and is maintained by a team of around 50 gardeners. All these efforts have been honored by the Government of Maharashtra with 'Chatrapati Shivaji Maharaj Vanashree Award'.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices
Practice – I: Effective Teaching Learning System 1. Objectives: • To prepare proper teaching plan • Identify bridge courses and soft skills necessary to satisfy market requirements • Ensure effective delivery of the contents as per the teaching plan using ICT. • Ensure the effective outcomes in terms of results and students satisfaction 2. The Practice: The teaching learning process has been implemented as below: • Stage I: This stage 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. • Stage II: In this stage, the academic monitoring committee ensures effective implementation of the curriculum, bridge courses and industrial visits. It also reviews monthly attendance records, Mid-term submission and conduction of class tests as well as need of remedial lectures based on result analysis. • Stage III: A mid-term feedback of students enables the institute to identify the grey areas in the teaching learning process. Corrective measures, such as counselling / mentoring of individual faculties are initiated by the Department Head. • Stage IV: Assessment of the term-work is done and marks are submitted to the university. • Stage V: The institute seeks feedback from various stakeholders regarding curriculum, employability and skill acquisition. 3. Evidence of Success • Improvement in the year wise performance of the students in terms of examination results. • Improved the employability of the students. • It has helped the faculties to improve their teaching. • Improved the students' participation in extracurricular activities and competitions. Practice – II: Departmental Students Association 1. Objectives: • To provide a platform for holistic development of the students. • Organization of various cultural, sports and technical activities and competitions at state and national level. • Establishment and functioning of various student chapters, bodies, cells and committees. 2. The Practice • Each department of college has its own students association which function on the principle, 'of the students, by the students and for the students'. • In the association, students work in different capacities as a part of executive body of the association which is formulated every year. • The student associations then function under the guidance of the staff coordinator and head of department. • Beginning from planning, budgeting to execution, all activities are an outcome of combined efforts by the students and faculties. 3. Evidence of Success • The student associations organizes 'TECHNOFEST', a 'National Level Technical Symposium' every year. This mega technical event is collectively hosted by all departments and attracts more than 1000 participants. The students association also jointly organizes annual cultural fest 'ASTITVA'

which hosts various sports competitions, art gallery, funfair, cultural days. This event is attended by more than 8000 to 10000 people including students and their parents. Both events are planned, coordinated and executed by the students association. • As per the requirement of curriculum and overall development of the students, the departmental associations organizes various expert talks, workshops, seminars and industrial visits. • The student associations has in general contributed in enhancing the graduate attributes among students thus improving their employability.

7.3 – Institutional Distinctiveness

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

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 budding engineers thus need to develop a number of qualities and skills to become an effective engineer with employability traits. The major concerns of most of the employers is finding good engineers and training them. The difference between the skills needed on the job and those possessed by applicants is called skills-gap, and is of real concern for all educational institutes and industries looking to hire competent engineers. 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 subject / themes like time management, risk management, skill development and motivational talks. • Along with the academic, the institute also focuses on enhancing the technical skills of the students through conduction of bridge courses, expert talks, industrial training and visits. For this purpose, 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 is also a part of 'Pradhan Mantri Kaushal Vikas Yogna' and runs courses for general public leading to employment. • The institute motivates students to undertake internship and the final year project work in industry so that they become familiar with the industry culture and also enhance their employability probability. • The faculties are encouraged to assign various verbal activities like debate, group discussions, oral presentations, poster presentations, to their students during their classroom teaching. • The institute has encouraged the department to establish student associations / chapters / bodies for holistic development of the students. These bodies plan, coordinate and execute events that helps to improve their leadership qualities, team working, problem solving, confidence building, management skills, ethics and integrity. All these aspects of skill enhancement have ensured higher employability of students as well as progression to higher education institutes of national and international repute.

Provide the weblink of the institution

8.Future Plans of Actions for 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 organised for inculcating value system among students.