



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	SKN SINHGAD INSTITUTE OF TECHNOLOGY AND SCIENCE
Name of the head of the Institution	Milind Shivaji Rohokale
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02114673393
Mobile no.	9552569863
Registered Email	principal.sknsits@sinhgad.edu
Alternate Email	naac.sknsits@sinhgad.edu
Address	Gat No 309, Off Pune - Mumbai Express Way, Kusgaon (Bk), Lonavala-410401
City/Town	Lonavala
State/UT	Maharashtra
Pincode	410401

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Prof. Namdev Krishna Gavade			
Phone no/Alternate Phone no.		02114673239			
Mobile no.		9764355860			
Registered Email		aqar.sknsits@sinhgad.edu			
Alternate Email		naac.sknsits@sinhgad.edu			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://cms.sinhgad.edu/SKNSITS/SKNSITS-AQAR.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://cms.sinhgad.edu/sinhgad_engineering_institutes/sknsits_lonavala/academic_calendar.aspx			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.1	2017	30-Oct-2017	29-Oct-2022
6. Date of Establishment of IQAC			10-Aug-2016		
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		

Electrical department Student Four Student Selected Avishkar-2019 Competition, conducted by SPPU (11-Jan-2020 10	4
Electrical department Student Mr. Sanket Bhadkar & Mr. Mayur Thakare Selected Avishkar-2019 Competition, conducted by SPPU (11-Jan-2020 10	2
Computer Engineering Student Mr. Jayesh Saravade made Guinness Book of World Records (He was a part of 1046 Singers who sang together while he performed on the Guitar, breaking the previous record of 950 Singers)	24-Jan-2020 01	1
First Year Student Miss. Kaveri Mojad Secured First Rank in SPPU (FE May 2018 Exam).	01-Jan-2020 01	1
Computer department Student Mr. Akash & Ms. Kaveri Mojad Selected Avishkar-2019 Innovative Idea Competition, conducted by SPPU (11-Jan-2020 10	2

[View File](#)

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

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2020 00	0
No Files Uploaded !!!				

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 :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes								
Upload the minutes of meeting and action taken report	View 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)									
<ul style="list-style-type: none"> • IQAC works to add value to the regular academic activities by promoting variety of curricular and extracurricular activities including various technical exhibitions, workshops, seminars, and sports and cultural activities. • Value Addition Programs for undergraduate students on Python, Django, Data Analytics using Python, Blockchain Technology IOTA HVAC MEP, Sheet Metal Designing, Electrical Vehicle Designing etc. • Computer Engineering Student Mr. Jayesh Saravade made Guinness Book of World Records (He was a part of 1046 Singers who sang together while he performed on the Guitar, breaking the previous record of 950 Singers) • First Year Student Miss. Kaveri Mojad Secured First Rank in SPPU (FE May 2018 Exam). • Electrical department Student Four Student Selected Avishkar2019 Competition, conducted by SPPU (Electricity Generation from Living Plant.) • Feedback forms for Alumni, Parent, and Industry guest external examiner were designed and Feedbacks were taken. Wireless Sensor Network etc. 									
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									
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Plan of Action</th> <th style="width: 50%;">Achievements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Participation in Avishkar at SPPU</td> <td>Selected in Avishkar at SPPU</td> </tr> <tr> <td>Value Addition Programs for undergraduate students</td> <td>Student Training Program</td> </tr> <tr> <td colspan="2" style="text-align: center;">View File</td> </tr> </tbody> </table>		Plan of Action	Achievements/Outcomes	Participation in Avishkar at SPPU	Selected in Avishkar at SPPU	Value Addition Programs for undergraduate students	Student Training Program	View File	
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Participation in Avishkar at SPPU	Selected in Avishkar at SPPU								
Value Addition Programs for undergraduate students	Student Training Program								
View File									
14. Whether AQAR was placed before statutory body ?	Yes								
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td>IQAC Committee / Academic Monitoring Committee (AMC)</td> <td>14-Sep-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	IQAC Committee / Academic Monitoring Committee (AMC)	14-Sep-2020				
Name of Statutory Body	Meeting Date								
IQAC Committee / Academic Monitoring Committee (AMC)	14-Sep-2020								
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No								

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	22-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The Institute implemented paperless governance through MIS software system - GEMS. With the help of this system, all the academic processes of Institute are automated. The Context: Every faculty and staff are allotted an individual login ID through GEMS. The processes like AC, faculty appraisal, student feedback and placement activities are operational and followed by every faculty and the staff members of Institute. Academics: For every semester faculty members upload their academic calendar, timetable, teaching plan of the subject, notes, schedules of examinations, attendance, etc. • Faculty appraisal and student feedbacks: Every semester faculty feedback is taken from students. Academic performance of faculty is evaluated through the GEMS annually. • Placement activities: All the students are registered on GEMS and they fill their academic data online. The placement officer makes the announcements of placement activities and furnishes the required student's data to the company's online.</p>

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

STES's SKN Sinhgad Institute of Technology & Science, Lonavala (SKNSITS) is affiliated to the Savitribai Phule Pune University (SPPU), Pune. The institute follows the curriculum designed by respective Boards of Studies (BOS) with inputs from various stakeholders. Faculty members participate and contribute to the curriculum design during the workshops and syllabus orientations conducted by the University. In line with the curriculum, the Course Education Objectives (CEOs) and Course Outcomes (COs) are prepared by the faculties of the respective course. The institute's academic calendar is prepared in line with

the academic calendar of the University. Each department prepares academic calendar in line with institute's academic calendar. The institute strictly implements the same. The department allocates subjects to teachers and prepare time table. The teachers prepare the teaching materials and delivery content before the commencement of teaching. The teaching/practical plan is prepared by the individual and conducted lectures/ practicals accordingly. The institute organizes training programs for the faculty like Train The Trainer (TTT) for effectively transacting the curriculum and improving teaching practices. All students are encouraged to take up academic projects in collaboration with industries. The students are given a choice to choose elective subjects in the final year. Feedbacks from the stakeholders received through formal and informal mechanisms are used to design and enrich the curriculum. The Institute has a formal mechanism to obtain feedback from students and other stakeholders like Alumni, Parents, Industry and faculty. It has a well-designed feedback form with defined criteria to get feedback from each category of stakeholder. Unit tests, prelim examinations are conducted and mid-term submission is taken for continuous assessment of students. Based on unit tests performance week students are identified. For such students remedial classes are conducted and extra assignments are given along with important question bank. The curriculum is also enriched by designing Value Added Programmes (VAP) and Student Training Programmes (STP). Additionally, various certificate courses are conducted for the professional development of the students. Participation in seminars, workshops, conferences, webinars and various technical activities, enhance the student's academic progress. PBL (Project Based Learning) is done by picking up a (small/mini) project individually or in small groups in the respective field/areas under the guidance of faculty allocated to developing skills like team work and applying knowledge, etc. Lab Innovation is done by students for any innovation or improvement done on any of the current apparatus or instruments or even source code in the lab. The aim of Lab Innovation is to achieve effective learning by undertaking small projects with reference to the labs of the department. It helps to developing skills like team work, writing skills, presentation skills, etc. The industry-institute interaction is encouraged through Industry Institute Interaction Cell (IIIC). The curriculum is designed and enriched so as to have the holistic development of the students.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NA	NA	26/10/2020	00	NA	NA

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL	26/10/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer (PUC, DMW, SAD, STQA, DS, MC, ERTO, HCI, CC, Compilers)	17/06/2019

BE	IT (BAI, STQA, ISR, RTCD)	17/06/2019
BE	E&TC (IoT, EPD, AVE,WSN)	17/06/2019
BE	Mechanical (FEA, AE, EAM,OR,HVAC)	17/06/2019
BE	Electrical (PQ, E&HV, HVE, SG)	17/06/2019

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

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Electric Vehicle Designing	14/02/2020	62
Sheet Metal Designing	14/02/2020	65
HVAC MEP	14/02/2020	68
CREO DEMO	30/07/2019	28
PCB Designing	26/07/2019	7
Internship and project development by ecorise software solution	19/07/2019	107
Machine learning	17/02/2020	24
View File		

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	Computer	31
BE	Electrical	33
BE	Mechanical	19
BE	IT	10
View File		

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

The Institute has a formal mechanism to obtain feedback from students and other stakeholders like Alumni, Parents, Industry and faculty. It has a well designed feedback form with defined criteria to get feedback from each category of stakeholder. Course exit surveys are conducted. A Course Feedback on curriculum and examination/evaluation pattern is taken from students periodically. The Alumni feedback is taken for revising the pedagogy and including the concepts as per industry requirement. The Parent Feedback Form is used to know their opinion about Institute, Infrastructure, Professional expectations. Parents are also forwarding their feedback transparently to HODs and TGs. Understanding and corrective actions based on these feedbacks are helpful in overcoming the drawbacks and increase the performance and quality of the department. IIIC is used to understand and bridge the gap between the institute and industry. The summary based on the feedback is used for the revision of syllabus at University. This summary is communicated to the University through faculty to Board of Studies (BOS). Individual Faculty's feedback from the students is collected periodically through software. The feedback is evaluated and teachers are instructed with the necessary guidelines by AMC/IQAC, Principal along with the HOD. The analysis of these feedbacks gives the opportunity to faculty to understand their performance and also helps in understanding the weaker sections to improve upon. Appreciation letters are given to the faculty and staff based on their feedback. Performance Appraisal reports are filled by the teachers online every year and PI score is communicated to them. External examiner appointed by SPPU gives feedback regarding projects and academics. Another source of feedback for the Institute authorities is Student's Council. Areas of concern, if any, from the student's point of view, is noted by the council and places them before the Principal for necessary action. Formal employer's feedback taken by Central Placement Cell (CPC) also helps in understanding the quality of students to fit for the jobs. These feedbacks are usually forwarded to HODs through Principal for better performance.

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
BE	Computer	120	71	71
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	986	0	70	0	70

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 Tools and resources	Number of ICT enabled	Numberof smart classrooms	E-resources and techniques used
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	ICT (LMS, e-Resources)	available	Classrooms		
70	70	10	17	1	10
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No file uploaded.					

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

For every class, TG scheme is adopted. The concept of TG scheme is: A batch of 15 students is assigned to a teacher who acts as a mentor or simply that teacher work as a local guardian for these students. The role of TG:

- To give moral support to the students
- To develop a platform to entertain common difficulties of students
- To focus on hidden qualities of students
- To develop positive attitude among students

Students are also guided by any career field as per his/her interest. HOD reviews reports of the meeting and the same are communicated to the Principal. HOD counsels the students and advises them from time to time about career guidance, competitive examinations, etc. Guidance Services The following processes/schemes are executed to support students in academic, personal and psycho-social way

- Different awareness sessions are organized for students such as the personality, professional development, entrepreneurship guidance.
- Those students who are interested in higher education for them, expert professionals and counseling are arranged for guidance
- The training and placement cell provides professional counseling to the students.
- Students are supported and counseled by teacher guardian in regards of their homesickness.
- Class Coordinator and HOD interact with the students regularly to understand the need of students regarding infrastructure, teaching and personal.
- Resolution of complaints and support by Grievances cell, Woman grievance cell for sexual harassment, anti ragging cell and community development program.
- Student counselor for counseling of needy students
- Faculties are visiting students in hostels and mentoring them.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
986	70	1:14

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
70	70	0	21	7

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
2020	00	Lecturer	NA
No file uploaded.			

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
BE	677024510	1	05/12/2019	22/02/2020
View File				

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

To establish the level of students' progress, most educationists resort to the use of various forms of continuous assessment strategies. Continuous assessment of learners' progress could be defined as a mechanism whereby the final grading of learners in the cognitive, effective and psychomotor domains of learning systematically takes account of all their performances during a given period of education. The use of continuous assessment is seen as a part of the measures that can be used to improve educational outcomes as well as students' learning. At the institute level, we have continuous assessment policy wherein continuous monitoring and checking of experimental journals and assignments is performed on regular basis. Students performance is checked with the unit test and prelim exams. • Conduction of mock online examinations, prelim examination and mock practical/oral examinations. The performance of all such examinations is considered while giving the Term Work (TW) marks as per the institute continuous assessment norms. • Institute also conducts project competitions, AMCAT, ET, QA/LR, GD/PI, quiz and soft skill development activities for the students to prepare them for the placement. • Institute conducts Remedial Classes for weak students for particular subjects. Mid term submission conducted during mid of semester, to evaluate the performance of students in practicals.

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

Academic calendar is used to schedule all technical and non technical activities during the academic year. It is useful for smooth conduction of activities. As it includes all dates for internal exams like unit tests, preliminary exams and mocks, students can prepare accordingly for internal exams. Also the guest lectures and workshops can be executed as per the plan. Based on the university academic calendar, college prepares the academic calendar which provides detailing of the curriculum implementation. For effective implementation of the curriculum, the following process is developed and deployed. At the outset, the Principal of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum and accordingly academic calendar of institute get prepared.

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://cms.sinhgad.edu/sinhgad_engineering_institutes/sknsits_lonavala/department/mechanical_dept/aboutus.aspx

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
677024510	BE	COMP	94	94	100
677027210	BE	IT	23	21	91.30
677061210	BE	Mechanical	209	206	98.56
677029310	BE	Electrical	73	72	98.63
677027210	BE	E&Tc	24	24	100

[View File](#)

2.7 – Student Satisfaction Survey

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

<https://docs.google.com/forms/d/1rMri6UmzCs803hGZXcDLAIA0Bo5bzEhoLyHiDI4s440/edit?ts=5d38408e#responses>

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
Industry sponsored Projects	365	.EAMS Engineering Mgmt, India Pvt Ltd	0	0
View File				

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
One Day Workshop on IPR	Research and Deveopment	06/03/2020
"Forth Industrial Revolution (Industry 4.0)"	SKN SITS, Lonavala	26/08/2020

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
PBL	Mr.Nikhil Kale	SKNSITS	15/09/2019	Institute Level
View File				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	TechChair	IT	21/10/2020
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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)
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International	Electrical	8	2.5
View File			

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
Nil	0
No file uploaded.	

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
Secure Routing through Refining Reliability for WSN against DoS Attacks using AODSD2V2 Algorithm for AMI	Priyankla D.Halle	International Journal of Innovative Technology and Exploring Engineering (IJITEE) Elsevier Scopus	2019	2	Yes	1
View File						

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
Analysis of standard elliptic curves for the implementation of elliptic curve cryptography in resource-constrained E-commerce applications	Javed Shaikh	Proceedings of IEEE International Conference on Microwave, Antennas, Communications and Electronic Systems (COMCAS)	2019	2	3	Yes
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	150	50	30	20
View File				

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
International Yoga Day	NSS SKNSITS	40	70
View File			

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	0
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 activities	Number of students participated in such activities
Swatch Bharat Abhiyan	NSS SKNSITS	Cleaning near water filtration plant on the occasion of Gandhi Jayanti	5	40
View File				

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
Nil	0	nil	0
View File			

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
Placement	On Job	Techmanias	16/02/2019	16/03/2019	7

Support	Training			
View File				

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
Global Dialect Language Solutions	11/08/2019	Global Dialect Language Solutions	20
View File			

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
0	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
View File	

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	Fully	0.1	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	12208	5200000	56	22000	12264	5222000
Reference Books	1960	795000	10	10000	1970	805000
Journals	0	0	10	10000	10	10000
e-Journals	0	0	1	550000	1	550000

[View File](#)

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
000	000	000	29/05/2020
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	310	13	13	1	1	9	310	48	0
Added	0	0	0	0	0	0	0	0	0
Total	310	13	13	1	1	9	310	48	0

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

48 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
MOODLE SERVER	http://122.252.236.96/moodle/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
16.81	0	16.81	0.69

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 Institute stands for the well being and educational upliftment of the students. All the departments are well equipped with classrooms, seminar halls, rooms, laboratories, and sufficient space for hosting all curricular and co curricular activities. Also for conduction of seminars/workshops/conferences, the campus has a Corporate Training Center (CTC) of area 4207 Sq.m. STES has cricket academy for offering the platform to students who want to develop a career in cricket. This includes a huge cricket ground which matches the international standards, tennis courts, badminton, volleyball, running tracks, football grounds, indoor games have been provided for practice and to hold top class tournaments. There is also well maintained swimming pool. Other facilities like laundry, photocopying centers have also been made available to the students. Institute has campus level medical center Rural Health Training Center (RHTC) with residential doctor. Free medical service is provided to the

staff and students. The institute has the students Safety Insurance Policy.

This policy is renewed each year. According to this policy, all students studying in the institute are insured. Group Insurance scheme is also provided to all employees. Ambulance facility is available 24 x7 hours. The ratio of computers to students is 1:2.53, which is better than the norms, 1:6. Every hostel is equipped with WiFi facility. The institute has utilized budget for proper maintenance and upkeep of the different assets .The institute maintains department wise dead stock registers to keep the record of all equipment belonging to the Institute and verified periodically. Estate office is available at the campus level. It takes care of following mentioned points : • The civil work maintenance is taken care of by a Civil Engineer appointed for the upkeep of the building structure and ensures its fitness for use. Constant maintenance works are taken up round the year. •Electrical Maintenance is taken care by an Electrical Engineer appointed for the purpose. The estate office is monitoring the job of identification of faulty electrical fittings and their replacement throughout the year. •A Power Substation for electrification of the campus is being monitored and taken care of. •A System Administrator and technical assistant are appointed to ensure the upkeep of all laboratories and computers in the institute. •Housekeeping jobs like cleaning, sweeping the corridors and classrooms is maintained by the peon and sweepers of the college. •The HODs submit periodic reporting on requirements of repairs and maintenance to the administrative office. •Pest control of library books and records is done every year. •Power quality analyzer is available at power substation from Fluke Corporation which will analyze the frequency and voltage fluctuations in the institution. •The institute has one operational transformer of 1000 KVA, two operational transformers of 500 KVA. The institute has sanctioned 1433 KVA load. •There is central power backup through one diesel generator capacity of 500 KVA. •UPS has been installed in office, computer lab and library which ensure that UPS takes the power supply in the case of large voltage fluctuation. •Water treatment plant of is available.

<http://www.sinhgad.edu/sinhgad-engineering-institutes/SEI-lonavala-Campus-Facilities.html>

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	NIL	0	0
Financial Support from Other Sources			
a) National	NIL	0	0
b) International	NIL	0	0

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Student Training Program	25/06/2019	900	SKNSITS, Lonavala
Yoga	21/06/2019	25	SKNSITS, Lonavala

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Counselling	124	232	0	56
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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
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Cognizant	35	5	Infosys	5	5
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Computer	IMERT, Pune	MBA
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	0
View File	

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

Activity	Level	Number of Participants
Sinhgad Karandak NEON 2020(cultural activities)	NATIONAL LEVEL	25
View File		

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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Sinhgad Karandak	National	0	1	19EEBA66	Yash Ramesh
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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)

Student Council Overview- A Student Council is a group of elected and volunteer students working together with an adult advisor within the framework of a constitution or bylaws to provide a means for student expression and assistance in College affairs and activities, give opportunities for student experience in leadership and encourage student / faculty / community relations

PROMOTE CITIZENSHIP

- By supporting and further developing democracy as a way of life
- By involving students in meaningful, purposeoriented activities
- By helping each student develop a sincere regard for law and order appropriate to this democratic society
- By leading each individual in developing a sense of personal responsibility and earned self respect
- By example through teaching the processes and procedures of a democracy
- By encouraging desirable attitudes and the continuous upward development of valued patterns of good citizenship
- By providing a forum for student opinions, interests and desires so these may be understood by the entire student body, faculty, administration and community
- By honestly reflecting and interpreting the student viewpoint

PROMOTE SCHOLARSHIP

- By contributing to the total educational growth of all students in the institute
- By encouraging highest standards of scholarship and positive student involvement in learning and thinking
- By providing experience in genuine problem solving procedures
- By providing training and experiences in the skills and techniques of good citizenship and leadership to prepare articulate citizens and leaders for a progressing society

PROMOTE LEADERSHIP

- By providing young people with the power and right to speak and, especially, the power, right and privilege of being heard by those in authority
- By avoiding the commercial or cultural exploitation of students
- By promoting opportunities for leadership among student body members
- By utilizing the ideas and support of students in solving relevant school problems

PROMOTE HUMAN RELATIONS

- By helping create harmonious relationships among faculty, administration, student body and the community
- By providing organized services to the school in the interest of the general welfare
- By communicating purposes, activities and the other positive elements of school life through mass media to the entire community
- By helping young people further realize the genius and dignity of each individual

PROMOTE CULTURAL VALUES

- By providing real experiences in group development and human understandings
- By helping students earn and protect individual rights and responsibilities
- By selecting projects and activities which seek to achieve purposes which are significant in the life of the school community
- By helping each student reach maximum educational growth and development

OBJECTIVES OF STUDENT COUNCILS

1. To initiate, implement, and complete projects and activities which will be of help to the school, the students, the faculty, the administration, the Board of Trustees and the community.
2. To develop and provide opportunities for leadership and service in the local school and in the community.
3. To encourage personal growth of leaders through participation in district, state and national meetings and organizations.
4. To provide a living workshop

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has started Alumni Association on Sep. 27, 2017. The registration number of Association is "Maharashtra / 1362 / 2017 / Pune / Sep. 27, 2017. By the end of the academic year 2019, the alumni association had grown up to 3200 plus members. Alumni Association Committee: Sr.No Name Of Members Designation 1 Prof. M. N. Navale President 2 Dr. M. S. Rohokale Secretary 3 Prof. N. K.Gavade Treasurer 4 Mr. Prathamesh Walke Member 5 Mr. Swapnil Khandelwa Member 6 Mr. Rohit Dongare Member 7 Miss. Siddhi Ghare Member 8 Mr. Amol Walekar Member 9 Mr. Sandesh Balgude Member The main objectives of this official Alumni Association are to: • Create a strong network between Alumni and Institute. • Create a strong network for Alumni progression as well as student's progression. • To provide a forum for the Alumni for exchange of ideas on academic, cultural and social issues by organizing and coordinating reunion activities of the Alumni. • Maintaining the updated and current information of all Alumni. With these objectives, we are sure that we can increase strong bonding among alumni and Institute. Many of our Alumni occupied prominent positions in different sectors like in Banking, Finance, IT, Teaching, Entrepreneur etc. Institute is having a track record of outstanding performances of its pass outs in different spheres. Many of them are occupying key positions in many private and public sector undertakings in India and abroad and have brought laurels to the institute. Most of alumni always contributed their knowledge and helped to institute in different way: Placements The alumni network of a institute is one of the biggest sources for placement. Alumni always help to place their juniors at their respective organizations. Mentorship Our alumni always play an active role in voluntary programmes like mentoring students in their areas of expertise. Career Guidance alumni is a huge talent pool whose guidance can be beneficial to many students and other fellow alumni in their respective areas of study. Networking Platform alumni network by itself is one of the best professional networking platforms available today in institute. Newsletter: Institute is publishing its quarterly newsletter which includes all the events happened in institute. This newsletter is always shared with all the alumni through which institute always get to know their feedbacks and suggestions about the activities conducted in institute. With the changing scenario IMRD also adopted latest technology and connected various alumni via different whatsapp groups, social websites like facebook,LinkedIn. Total 700 plus alumni are connected via whatsapp group. More than 3300 plus alumni are connected via facebook and LinkedIn. The alumni of Institute is guiding and nurturing our students to become more technical for IT industry. It is our plan to develop everlasting relations with our alumni which in turn will give rise to mutual benefits. Roles Responsibility: • Making a Strong network between Alumni and Institute • Organizing Annual Alumni Meet • Organizing and Participation in Induction Session during Orientation Program

5.4.2 – No. of enrolled Alumni:

1280

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Different sessions were conducted by Alumni on different topics such as Technology and Career Opportunities, preparation for placement, MBA in India after engineering, challenges and opportunities after engineering, Industry expectations from fresher and career path for engineering in Germany students from all departments were invited online on google meet to interact Alumni students have contributed as a to improve knowledge of students. The institute

has a tradition and culture of social awareness through alumni gives natural motivation to the current students and faculty to participate in various social activities. Motivation from faculty coordinators to the students and leadership shown by the enthusiastic students gives boost for various innovative ideas. These ideas are then converted into extension activities through NSS and students associations. TCT and college magazine also gives wide publicity and encouragement to the entire student community that ultimately resulted into massive participation and satisfaction of conduction of social work.

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)

Committees are formed for the various curricular, co-curricular and extracurricular activities to be conducted during the academic year. The administrative office of the College is headed by the Principal. The Principal coordinates the day to day activities. Every department prepares academic calendar. Principal along with the HOD prepares activity in charge list which includes academic and non-academic responsibilities which are assigned among all the faculties. Dead Stock Verification Committee: The dead stock verification committee carries out a complete audit of the dead stock of each department. Faculty Selection Committee The committee headed by the Head of the Institute, comprises of Senior Faculty Members assisted by a team of non-teaching staff. Its function is to ensure the smooth execution of the faculty recruitment process in line with the directives of AICTE, SPPU and the Institute. There are various committees constituted to manage different institutional activities which require the participation of faculty members .

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
Admission of Students	Admission of the students is done through a central process conducted by a state government body DTE (Directorate of Technical education) where students choose an institute as per their choice. The institute maintains this repute by adopting following strategies- ? Maintaining good results in University examinations by means of quality trends in teaching learning ? Providing quality infrastructure and facilities ? Maintaining good training and placement records. ? Maintaining Ragging-free environment ? Ample hostel facility for girls and boys is provided on the campus. ? Various sports facilities are available to students like 25-acre sports complex with grounds for football, cricket, basketball, athletic track, swimming pool, gymnasium, etc. ?

	<p>The institute conducts admission process awareness programmes, counselling sessions for prospective students.</p>
<p>Industry Interaction / Collaboration</p>	<p>Eminent speakers from industry and service sector are invited for interaction with the students and faculty. ? The Entrepreneurship Development Cell (EDC) orients students to start their own business ventures. ? Industry Internship programs, industry designed certification courses and Industrial training during vacation are organized for the students by Training and Placement cell. ? Alumni placed in the reputed industries are invited for informal dialogue with the students. ? Industrial tours are conducted for students to visit industries according to their stream. ? Industry interaction cell helps in making MOUs with the reputed companies for value added programs and placements.</p>
<p>Human Resource Management</p>	<p>While recruiting and retaining the HR, the institute adheres to the quality improvement strategy. ? For professional development of the HR, the institute delegates the faculty and staff to undergo development programs outside the institute, provides technical resources and financial assistance to undertake such development programs. ? Faculty are felicitated for their academic achievements. ? The institute uses performance evaluation methods for the HR. At the end of every academic year, Performance evaluation of the staff is done by online appraisal system provided on GEMS. ? Weekly department meetings with the heads are conducted to ensure healthy relations and communication among the members.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>ICT ? The department updates ICT facilities for classrooms, tutorial rooms and Laboratories. ? Teachers and students are motivated for different online courses on swayam online portal. ? The department has FTP Server for resource access by the faculty and Student community Lecture notes, assignments, question banks, quiz are uploaded. Library ? Suggestions from Library committee and IQAC suggestions are used for improvement in quality of library resource. ? New books/journals are purchased to update the library. ?</p>

	<p>Each Department has its own Departmental Library facility. ? Physical Infrastructure Physical infrastructure is always monitored to address the needs of courses or the intake capacity of the institute.</p>
<p>Research and Development</p>	<p>The institute has collaborations with reputed industries, national and international institutions and universities. The institute also believes in research culture and supports innovative ideas from faculty and students. ? Several faculty members take advantage of this facility and enhance their career by obtaining doctorates, publishing technical papers, books etc. ? The institute motivates the faculty to undertake research activities through doctoral studies. It motivates them to publish research papers. For this, an incentive such as financial assistance for research paper presentation etc. is provided. ? Potential research collaborators are identified and MOUs are established. ? Research Guidance is given to faculties and students by organising seminars and guest lectures.</p>
<p>Examination and Evaluation</p>	<p>? Two internal unit tests are conducted per semester. A preliminary examination is conducted at the end of semester. Improvement tests are also conducted after result analysis for poor performers. ? Remedial classes are conducted for slow learners. ? Standard question banks and model answers are prepared by the faculty members and distributed to the students. ? Term work evaluation is done on continuous basis. ? External theory examination and practical/oral examinations are conducted by SPPU schedule and rules. ? The Faculty members contribute in the examination work like- setting question paper, being invigilators for theory examination, senior super visors, examiners, moderators etc.</p>
<p>Teaching and Learning</p>	<p>Inputs from Student feedback, Alumni and Industries are considered for improving the teaching-learning. Quality improvement strategies adopted by the institution for Teaching and Learning Semester Pre-commencement Preparations- ? Departmental Academic Calendar ? Teaching Plan ? Course learning Objectives and Course Outcomes ? Lecture notes ? A further useful</p>

resource is provided in the form of Audio Lectures on the K-Point Platform. These lectures are accessible to all the students and teachers in the institute. ? Updating the library with appropriate books as suggested by the faculty. ? Modifying the laboratories to cater for the needs of revised syllabus and new technology

Curriculum Development

The institute is affiliated to Savitribai Phule Pune University (SPPU). Board of studies (BoS) is a body in the University to formulate the curriculum. Faculty members from this institute are nominated on the committee of faculty coordinators at the University. Inputs are obtained by following means- ? Interaction with the industry through R and D cell. ? Interaction with parents through Parent Teacher Association ? Interaction with Alumni ? Interaction with academicians through workshops ? Teachers give the feedback regarding their respective subject. The outcome of this feedback is conveyed to SPPU through the university coordinator. According to the feedbacks taken from the stakeholders following programs are designed to cope up with the industry needs. ? STP ? VAP

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

E-governance area	Details
<p>Planning and Development</p>	<p>Development of excellent infrastructure for education, research and entrepreneurship ? Training the employees to improve quality by certified courses on Swayam online portal. ? In cultivate research environment for Promotion of Research to develop innovative perspectives under SPPU portal, AICTE etc. ? It is planned to increase the number of faculty with PhD degree. ? Build strategies for enhancement of employability skills by Identifying industry requirement to fill the gaps and to sustain the growth and development. ? Accreditation by National agencies. ? Industry Institute Interaction Cell has been formed to enhance the industry institute interaction, and the cell has started Campus Connect programs with leading industries such as Cognizant, Accenture, Zensar etc.</p>

Administration	? Staff and students profile has been monitored through Gems. ? Staff technical profiles are monitored through BCUD online portal of SPPU
Finance and Accounts	? Student's yearly fee structure and managing fee collection and balances through Talley. ? Managing assets and faculty salary through Payjwhiz.
Student Admission and Support	? Students admission process is monitored through Aspire Module ? Displaying of students achievements, Implant -training, Industry specific software training courses, placement training etc
Examination	<ul style="list-style-type: none"> The University conducts the examination. The schedule is given by the University. As per the schedule the examination is carried out in the institute. There are two types of theory exams like in semester exam and end semester exam. Institute also conducts various unit tests and prelim exam. Also mock practical and oral exams are conducted to prepare students for University final examinations.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Girish Khope	One Week ISTE Sttp Program On Statistical Analysis At Vishwaniketan	----	1500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Two Days Seminar on "Power System Rel iability and		30/01/2020	31/01/2020	20	0

Quality
Issues

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
One day Workshop on Linux	6	28/08/2019	28/08/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
49	70	47	49

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? Group insurance scheme ? Accidental insurance ? Staff quarters ? Free medical treatment ? Registration fee for FDP programs ? Maternity leaves are provided as per the government and university rules ? Employee Provident Fund (EPF) with 100 gratuity for all staff.	? Group insurance scheme ? Accidental insurance ? Staff quarters ? Free medical treatment ? Maternity leaves are provided as per the government and university rules ? Employee Provident Fund (EPF) with 100 gratuity for all staff	? Teacher guardian scheme ? Students' welfare Cell ? Women's grievance cell ? Training Placement activities ? Sports facilities and cultural festival

6.4 – Financial Management and Resource Mobilization

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

- Experienced and efficient personnel conduct internal audit twice in a year. • External audits are done by Proficient financial auditors • In the Audits, Experts verify all transactions.

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	NA
No file uploaded.		

6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NIRF	Yes	IQAC
Administrative	Yes	NIRF	Yes	IQAC

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

- Parents Teachers meetings twice in a year .Student’s academic performance, university results, attendance and other related issues are discussed
- Phone calling by TGs regarding student’s performance
- Feedback system

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

- skill development programs were organized as mentioned below:
- Hands on Microsoft Excel.
 - Hands on for computer maintenance and formatting.
 - Training regarding admission process.

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

- IQAC formation
- Research Cell established to foster academic research among staff and students
- Introduction of skill/capability enhancement courses

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
2019	Guest lecture on Creo software	30/07/2019	30/07/2019	30/07/2019	28
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Nirbhay Kanya Abhiyan	10/02/2020	12/02/2020	59	0

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

- Percentage of power requirement of the University met by the renewable energy sources
- ? Tree Plantation
 - ? Fort Cultivation
 - ? Street plays (Supporting Clean India)
 - ? Winter Camp (For developing awareness regarding various environmental issues)
 - ? Rain marathon

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	176
Ramp/Rails	Yes	1
Rest Rooms	Yes	167
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	19/07/2019	01	Tree Plantation	No any	69
2019	1	1	30/07/2019	01	Rain Marathon	Due to heavy rain roads are slippery	183
2019	1	1	02/10/2019	01	Cleaning Drive	No any	61
2020	1	1	05/01/2020	07	NSS Special Camp	No any	50
2019	1	1	26/07/2019	01	Kargil Vijay Diwas Celebration at INS Shivaji, Lonavala	No any	50

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

Title	Date of publication	Follow up(max 100 words)
Chronicles	30/05/2020	CHRONICLES, our college magazine brings out the essence of and puts to display the talents within our college and also gives an opportunity to collegians to prove their worth as it is a University of Pune level

competition. The institute publishes an annual magazine "CHRONICLES". This College Magazine sends a positive signal to the faculty, staff, students and the persons who are interested in the educational and literary activities. A magazine is like a mirror which reflects the clear picture of all sorts of activities undertaken by the institution and develops writing skills among students in particular and teaching faculty in general. This magazine encourages students to become a part of the magazine by publishing their articles, poems, technical content, jokes, experiences, art etc. The magazine provides a platform for the students to showcase their creative talents.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
FIRST YEAR ENGINEERING STUDENT INDUCTION PROGRAM	05/08/2019	19/08/2019	89
FIRST YEAR ENGINEERING STUDENT INDUCTION PROGRAM	07/01/2020	11/01/2020	89

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

1) Tree plantation in and around the campus, 2) Implementation of solar water heating system to reduce power consumption on water heating. 3) The class rooms are spacious with good ventilation which requires less use tube lights causes minimized power consumption. 4) Students and Staff are requested to switch off the fans and lights when not in use. 5) Campus Cleaning Drive.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

STP to enhance employability skill : Goal: Worldwide, the advancement in technology has not only revolutionised the scope of engineering education but also redefined the expectations from engineering graduates. At SKNSITS, a need was identified to start an innovative practice "Student Training Program" that

would help the students to build a personality equipped with excellent technical and soft skills. With this in mind, a state- of-the-art STP is being implemented from the year 2013-14. The aim of the program is to enhance the quality of the students by empowering them with skills those are globally at par. The Objectives of the STP are to:

- Enhance the employability opportunity.
- Prepare students for entrepreneurship.
- Prepare students for higher education in India and abroad.

The Context:

- Integration into the Curriculum: Training incorporated into the curriculum to help students for preparation and self - evaluation in technical and soft skills.
- Lecture recordings: Subject wise lectures are recorded by expert faculty on K-point server. This is a LAN based resource to help the students to learn and revisit the concepts discussed in class earlier.
- Expert faculty: A good blend of the classroom and hands-on training provided by expert faculty.
- AMCAT assessment: Training need and outcome assessed using AMCAT, a test preferred by many well-known industries globally.

The Practice: The duration of STP is 120 hours that spread over five semesters as STP I-V. It is to be undertaken by the student from the start of the second year of engineering. Project Based Learning Environment: Goal: For achieving effective learning by students. The Context: Learning happens only when one performs tasks on his own. The Practice:

- Students are encouraged to pick up a project in small groups in the representative list of areas prepared by the department or by him. They are required to go through a structured process of analysing the problem, solution development and implementation.
- Student projects are then evaluated by merit.
- Necessary feedback is given to students.
- Institute has developed various schemes such as Lab innovations, VAP, and IIIC, which promote learning through projects.

Evidence of success: PBL shows improvement in understanding and confidence about core concepts among students. It also helps in achieving skills required for the professional practice.

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

http://cms.sinhgad.edu/sinhgad_engineering_institutes/sknsits_lonavala/project-based-learning.aspx

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 institution stresses on outreach programs and inculcates in its students an awareness of the value of a holistic education and empathy for the less privileged sections of society. An active NSS Cell organizes programs for the student community. In natural calamities the college supports to help and makes arrangements to collect relief materials actively. This is done by the students like packaging, transportation and distribution to centers is a part of our commitment. Institute conducts student training program (STP) for five continuous semesters. It is based on Soft Skill Training that includes: STP I: Training on Communication Skills Part I Listening, Reading (Technical and Nontechnical), Writing (Letter, Resume, CV, Report), Speaking (Public speaking, Group Discussion). STP II: Training on Communication Skills Part II Listening, Reading (Technical and Nontechnical), Writing (Letter, Resume, CV, Report), Speaking (Public speaking, Group Discussion). STP III: Training on Technical Skills Training and refreshing of Technical Fundamentals. STP IV: Interview Preparation Practice of Group Discussion and Personal Interview. STP V: Value Addition Program Training from outside expert to add value to CV. Institute provides international internship for the students.

Provide the weblink of the institution

http://cms.sinhgad.edu/sinhgad_engineering_institutes/sknsits_lonavala/about_us

8.Future Plans of Actions for Next Academic Year

Teaching and Learning are two main pillars of the education system. To strengthen these systems, institute aims to introduce innovative practices in the Academic year 2020-21 as mentioned below:

- Administrative Reforms.
- Strict academic monitoring by IQAC.
- Increase utilization of e resources and NPTEL video lectures.
- Examination Reforms.
- Enhance Research activities Increase number of quality publications.
- Enrich the students with Value Added Programme (VAP)
- Incorporate Project Based Learning (PBL) Problem Based Learning (PBL) is a Teaching method in which complex real world problems are used as the vehicle to Promote student learning of concepts and principles as opposed to direct presentation of facts and concepts. In addition to course content, PBL can Promote the development of critical thinking skills, problem solving abilities, and communication skills. It can also provide opportunities for working in groups, finding and evaluating research materials, and lifelong learning.
- Motivate the faculty member to write a proposal for fetching research grants.
- Reformation in "Alumni cell", to increase the active participation of alumni.
- Grants form funding agencies like AICTE/DST/CSIR/UGC etc.
- Introduction of more Innovative Teaching Methodologies (ITM)
- Encouragement to interdisciplinary undergraduate level projects.