

ANNUAL QUALITY ASSURANCE REPORT

for

Academic Year 2017-18

Submitted by



Sinhgad Institutes

STES's

NBN SINHGAD TECHNICAL INSTITUTES CAMPUS, AMBEGAON,
PUNE – 411 041

(Approved By AICTE, Recognized By Government of Maharashtra, Affiliated to Savitribai
Phule Pune University) (NAAC “B++” Grade)

Submitted to

NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

PO Box No 1075, Nagarbhavi, Bangalore 560072

NBN SINHGAD TECHNICAL INSTITUTES CAMPUS

Sr. No. 10/1, Ambegaon (Budruk), off Sinhgad Road, Pune - 411041, Maharashtra (INDIA)

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NBN SINHGAD TECHNICAL INSTITUTES CAMPUS

ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2017-18

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The Annual Quality Assurance Report (AQAR) of the IQAC

(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (July 1, 2017 to September 30, 2018)*

Part – A

Data of the Institution

1. Name of the Institution: STES's NBN Sinhgad Technical Institutes Campus

- Name of the Head of the institution : Dr. Y. P. Reddy
- Designation: Principal
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.: 020-24355041/ 020-24355042
- Mobile no.: 9823369180
- Registered e-mail: nbnssoe@sinhgad.edu
- Alternate e-mail : sdmarkande@sinhgad.edu
- Address : Survey No. 10/1, Ambegaon (Budruk), Off Sinhgad Road
- City/Town : Pune
- State/UT : Maharashtra
- Pin Code : 411041

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education
- Location : Semi-Urban
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing
(please specify): Self financing

- Name of the Affiliating University: Savitribai Phule Pune University (SPPU).
- Name of the IQAC Co-ordinator : Mrs. Pooja P. Kulkarni
- Phone no. : 020-24355041

Alternate phone no.: 020-24355042

- Mobile: 8888829048
- IQAC e-mail address: iqac.nbnstic@sinhgad.edu
- Alternate Email address: nbnssoe@sinhgad.edu

3. Website address:

Web-link of the AQAR: (Previous Academic Year): 2017-18

[http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/aqar.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/aqar.aspx)

4. Whether Academic Calendar prepared during the year? : Yes

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

1) **Engg:** [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/academic_calendar.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/academic_calendar.aspx)

2) **MBA:** http://cms.sinhgad.edu/sinhgad_management_institutes/nbn_mba/academic-calender.aspx

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	B++	2.83	2017	from:30/10/2017 to: 30/10/2022

6. Date of Establishment of IQAC: 20/03/2018

7. Internal Quality Assurance System

As per the new guidelines of NAAC for the formation of IQAC, Internal Quality Assurance Cell has been formed at NBNSTIC. After NAAC visit, IQAC has conducted four meetings till 17th October 2018. IQAC has prepared AQAR 1 in the new format of NAAC and it is uploaded on the web site of Institute under the tab of NAAC. Following initiatives have been taken by IQAC after NAAC visit:

- Feedback from all stakeholders has been collected by sharing revised Google Feedback Forms with the stakeholders (Internship providers, Alumni, parents, students) about faculty, Department and Institute. The feedback is analysed and will be utilized while deciding the strategy of the next academic year for overall improvement.
- IQAC has also designed a question Paper feedback form for university examinations to find out the difficulty faced by the students in attempting questions based on particular units. This feedback will be taken from students from Nov-Dec 2018 SPPU examination. The analysis of this feedback will be utilized by the subject teachers while preparing the teaching plan of next year to improve the understanding and performance of the students.
- IQAC suggested to start ‘Study Forum’ in all the departments from 2018-19 –SEM I. Committee suggested to involve students, faculty and Industry experts in this activity and discuss some practical problems/case studies. All the departments under Engineering have conducted one activity under Study Forum in 2018-19 SEM 1.
- IQAC conducted meetings for providing the guidelines for the reformation of Course Objectives, Course Outcomes, Program Objectives and Program outcomes, their mapping from syllabus revision point of view as well as Industry expectations point of view. The same is implemented in first semester of 2018-19.
- Departmental News Letter is started from 2018-19 –SEM I.

Note: Some Quality Assurance initiatives of the institution are:

(Indicative list)

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.: NIL

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount

9. Whether composition of IQAC as per latest NAAC guidelines: Yes and it is uploaded on website.: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/iqac.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/iqac.aspx)

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: 04

The minutes of IQAC meetings and compliance to the decisions have been uploaded on the institutional website: Yes

[http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/iqac.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/iqac.aspx)

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

If yes, mention the amount: Year:

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

*Sharing of Google Feedback Forms with the Internship providers, Alumni and its analysis from 2018-19 –SEM I

* Preparation of SPPU Question Paper feedback form which is to be taken in Google Form format after November 2018 SPPU examination

* Start of study forum in all departments from 2018-19 –SEM I

* Guidance on PG opportunities in abroad under Overseas cell

* Start of Departmental News Letter per semester from 2018-19 –SEM I

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

Plan of Action	Achievements/Outcomes
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<ul style="list-style-type: none"> • Conduction of Value Addition Programs under Student Training Program (STP 5) • Arranging Guest Lectures by Industry Experts • Encouraging students for internships • Encouraging Faculty for research and Publications • Encouraging Faculty for attending FDPs and conferences • Start of study forums in each department • Encouraging students to opt for Industry based projects • Reformation of Feedback forms: 	<p>One Value Addition Program (VAP) per department was conducted in first semester of Academic Year 2017-18 and 2018-19.</p> <p>Guest lectures by Industry experts were conducted in all the departments.</p> <p>Internship count is increased.</p> <p>Some of the Faculty members received grant from BCUD for carrying out research. Some faculty members got registered for Ph.D. Some of the faculty members published their papers in Conferences and Journals.</p> <p>Financial support was provided to faculty for attending the FDPs.</p> <p>One activity per department has been conducted.</p> <p>The count of Industry based project is increased.</p> <p>A common template of Feedback forms(google forms) is framed and shared with various stake holders such as Internship provider, Employers,</p>
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<p>A common and specific format to be designed to collect the feedback from different sectors of people associated with the institution through Google forms and its' analysis to improve teaching learning process</p> <ul style="list-style-type: none"> • Reformation of Course Objectives, Course outcomes, Program Objectives and Program Outcomes as per revised syllabus and Industry requirements • Training to students to improve placement 	<p>Alumni, students, parents and examinees. The analysis of the forms is done and possible suggestions are included in the next semester's planning.</p> <p>CourseObjectives, Course outcomes, Program Objectives and Program Outcomes are modified as per revised syllabus and Industry requirementsand shared with the stake holders by displaying them in the labs and uploading it on college website.</p> <p>A training was provided to final year students by Barclays.A training on soft skills was provided through STP 1 and STP 2 and technical interview guidance was provided through STP 3. Practice test facility from AMCAT exam point of view was provided. Employability tests and AMCAT exams were conducted to provide placement opportunity to students.</p> <p>Through the efforts of T & P cell, four students from BE Electrical got selected for summer internship at Cummins Engg, Pune.</p>
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14. Whether the AQAR was placed before statutory body? Yes /No: **No**

Name of the Statutory body: -- Date of meeting(s): --

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

Yes/No: **No**

Date:

16. Whether institutional data submitted to AISHE: Yes/No: **Yes**

Year: 2017-18

Date of Submission: 02/02/2018

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)

A **management information system or MIS** is a central data repository for not only gathering and storing data but also for analysing and improving the performance of an organization.

A management information system (MIS) at NBNSTIC assists higher authorities for decision-making, coordination, control, analysis, and visualization of information about various activities of college. The study of management information system examines the performance of students as well as faculty. The ultimate goal of the use of a management information system is to improve the teaching learning process.

NBNSTIC has online system for -

- 1) Monitoring daily attendance of the students
- 2) Observing the feedback from various stake holders through Google form sharing
- 3) Observing the feedback of Faculty through ERP system (GEMS)
- 4) Monitoring of internal Exam results through Google sheets

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
The college is affiliated to Savitribai Phule Pune University (SPPU), Pune and follows the curriculum prescribed by the university. Our academic calendar is based on the timeframe provided by the university.
The Heads of all the departments prepare academic calendar and guidelines after discussing the pros and cons of each. This academic committee decides the best methods to successfully implement the curriculum. Commencement and conclusion of academic term, unit tests, oral/ practical examination schedule, mock

oral /practical schedule, midterm submission etc. is clearly indicated in the one page academic calendar and made available to the stakeholders and teachers to plan the academics. IQAC ensures effective delivery of the curriculum by properly implementing the plan.

A choice of elective subject to be opted in final year is taken from the third year students during their end semester examination. Depending upon the majority of students opting for a particular subject, the elective subjects are finalized and faculties having flair for teaching that subject are allocated those subjects in teaching load distribution.

At the end of the term, a subject choice sheet for the next semester is circulated in the department. Based on the experience, choice and previous performance, theory and practical load is distributed among the faculty members so that they can prepare notes and course file of the allocated subjects. Faculties prepare course files for the allocated subjects which includes subject notes, teaching plan, lab plan, planning of teaching aids, University question papers etc. Course files of all faculties are checked by the HOD to ensure smooth conduction of lectures and practical by the faculty. Laboratory manuals are also prepared for smooth conduction of practical.

Time table for various classes is prepared by the time table in-charge. Master time table, Individual time table, laboratory time table are prepared. All these Time tables are duly signed by the HOD and Principal.

Members of Internal Quality Assurance Cell (IQAC) monitor daily attendance of students and conduct of academics. If required, give feedback to the faculty to improve the performance. IQAC takes online feedback about Department, Institute and teachers from students and based upon the feedback, IQAC members give suggestions/guidelines to faculties to meet learner's requirement. In critical cases, it is ensured that the feedback is improved and faculty has adapted himself/herself to cope up with learner's suggestions. College has teacher guardian scheme under which a batch of maximum 20 students is allocated to one faculty (TG) and TG has to take care of those students as if he/she is local guardian/parent/mentor of the student.

Unit tests, retests and prelim exams are conducted as per SPPU examinations pattern for the self evaluation of the students. Mock Oral/Practical sessions are conducted to make student aware about oral/practical examination. Extra lectures are conducted for direct SE admitted students who report late to the institute.

Industry experts are invited for to bridge the gap between Industry and Institute. Monitoring of project work of final year students is also done periodically.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year: No new diploma courses were introduced in the last academic year 2017-18 but training was imparted to students to increase their employability, to increase their skills.

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Employability Enhancement Training 1	---	17/07/2018-27/07/2018	Training was imparted to students for better	----

			employability through different training sessions.	
Employability Enhancement Training 2	---	25/07/2018-31/07/2018	Training was imparted to students for better employability through different training sessions.	----
<p>To enhance skill development, students of third year of Mechanical Engineering are involved in hands on sessions of dismantling and assembling of various assemblies which institute has procured.</p> <p>Following objectives are fulfilled during these skill development practicals:</p> <ol style="list-style-type: none"> 1. To develop the skill required in shop floor working. 2. To have knowledge of the different tools used in machine assembly shop. 3. Application of theoretical knowledge in practice. <p>Students are given exposure to hands on sessions of assembly and dismantling of following industrial products:</p> <ol style="list-style-type: none"> 1. Tail stock assembly 2. Valve Assembly (Steam stop valve) 3. IC engine of Two Wheeler (4 stroke single cylinder) 4. Hermetically sealed compressor 5. Hydraulic actuator 6. Industrial Gear box 				
<p>1.2.1 New programmes/courses introduced during the Academic year: No new programmes /courses were introduced during the academic year 2017-18, but National Programme on Technology Enhanced Learning certificate courses which is an initiative of IIT and IISC were completed by students to gain latest knowledge in the field.</p>				
Program with Code	Date of Introduction	Course with Code	Date of Introduction	
NIL	NIL	National Program on Technology Enhanced Learning (NPTEL) certificate courses were completed by students.	Time to Time as the sessions were continued.	
<p>1.2.2 Programs in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.:</p> <p>Elective subjects are offered during last year of Engineering by Savitribai Phule Pune University (SPPU). For ME (Mechanical - Design Engineering) students are offered with choice based electives during second year of their course. For MBA, CBCS system is there.</p>				

In Engineering 2015 pattern syllabus of SPPU, University has made it mandatory for all the students to opt for one audit course apart from mandatory subjects. The audit courses offered are mostly selected by the students on the basis of their interest.

Name of Programs adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
NA	NA	NA	NA	NA	NA

Already adopted (mention the year): Not adopted at any time.

1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year :There are no diploma courses introduced during the year 2017-18 but a few certificate courses were completed by students to gain in-depth knowledge about latest trends in their field.

No of Students	Certificate	Diploma Courses
14	NPTEL	---
120	Spoken Tutorial Course - C(Online)	---
120	Spoken Tutorial Course - C++(Online)	---
120	Spoken Tutorial Course - PHP & MySql	---

1.3 Curriculum Enrichment

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

Every year during the first term, final year students are offered with a few value addition Programs. Institute invites experts from industries, technologists from outside to bridge up the gap between industry and institute.

Value added courses	Date of introduction	Number of students enrolled
1. Advanced Java	10-12 th July 2017	79
2. Data Science with R Programming	10-12 th July 2017	60
3. Data Analytics with R	29-31 st Aug.2018	79
4. Web Development using Angular JS	29-31 st Aug.2018	81
5. Geometric Dimensioning and Tolerance (GD&T)	23-25 th Aug 2018	60
6. Lean Manufacturing	23-25 th Aug 2018	60
7. Workshop on the Internet of Things(E & TC)	10-12 th July 2017	55
8. Workshop on PCB Designing	30 th August 2017	50

9. Foundation Automation Training on PLC Programming (Electrical Dept.)	12-14 th July2017	40
10. Bluetooth Controlled robotics using Arduino	27-29 th August 2018	60
11. Workshop on Data Analytics with SPARKS (IT Dept.)	12-14 th Jul 2017	61

1.3.2 Field Projects / Internships under taken during the year

Project/Program Title	No. of students enrolled for Field Projects / Internships
Design of Mechanical Systems for Static Test of Rocket Motor at DRDO, Nashik (E & TC)	1
Correlation of Test Data with Analysis of Turbocharger Hot Bolted Joint at Cummins (I) Ltd.	1
Design, Analysis and Development of Air Cleaner System for CUMMINS Gen-set at Cummins, India Ltd	1
Analysis Led Design of Fan Drive Assembly at Cummins, India Ltd	1
Design and Development of Lithium-ion Battery Pack for Electric Vehicle Application at ARAI, Pune	1
Design and Analysis of Bucket Elevator Lift	3
Design and Development of Guided Drop Tower for Testing of Impact Attenuator	3
Design and Development Of Automatic Bar Feeding Machine	4
Redesign of Driving Assembly of a Crankshaft in Grinding Machine	3
Design and development of robotic welding machine.	4
Design and Manufacturing of Washing and Cleaning unit for Connecting Rod	4
Design and Manufacturing of Conveyor System for Material Handling for Cartesian system	4
Design and Modification of Sugarcane Juice Extractor	4
Optimization of Overall Equipment Efficiency in Crankshaft Manufacturing Line	4
Design and Analysis of Stacked Heat Exchanger	4

Design and Analysis of Rivet Joint	4
Design and Fabrication of Special Purpose Machine for Circular Welding	3
Design and Development of inline constant speed Gear Box	4
Performance evaluation of diesel and dual fuel (Diesel - CNG) engine characteristics	4
Design and Manufacturing of Rivet gun with capacity of 30tonn.	4
360 degree rotating conveyor system with up and down mechanism	4
Design of Pallet and Lean Manufacturing	3
Design and Manufacturing of Conveyor System For Material Loading in Industrial Application	4
Modifications in Bogie of EMU Train For High Speed Applications	4
Enhancement of engine efficiency using Air Preheater	4
Durability Testing of Spring using Cam Mechanism	4
Design and manufacturing of agro fertilizer, pesticide and water sprinkling robot.	4
Design and Fabrication of involute gear profile error detector	4
Design, Simulation and Experimental validation of 3D Parametric Model helical Intake Port for CI Engine	3
Design And Fabrication Of Dry Fruit Roasting Machine	4
Design and manufacturing of pulsating heat pipe.	4
Fabrication of Thermosyphon Heat Pipe for various Industrial Applications	4
Design and Manufacturing of Shredding Machine for Elimination and Recycling the Waste	4
Water Management in Housing Societies using IoT.(IT Dept.)	4
RIO: An AI based virtual assistant	4
An efficient application providing solution to the users regarding Solar using chatbot	3
System for identifying expert from user for given topic or question in Community Question answering application	4

Implementation of Toll plaza using RFID scanning	3
Smartbot (Conversational based platform)	3
A Review of Connectivity Challenges in IoT-Smart Home	4
Electrical Installation(Electrical)	4
Electrical Maintenance	19
Power System	12
Hybrid Electric Vehicle	1
Automatic seed plantation using Swarm technology(E & TC)	3
3D Printer using Arduino mega	4
Quality assessment of Apples using DIP	3
Guardian Of Line of Control	3
Design and Development of Sugarcane bud cutting machine	3
IoT Based intelligent energy monitoring system	3
BMI measurement system using Raspberry Pi	4
InternshipTitle	No. of students enrolled for Internships
HCL	1
Sky logic	1
Horizon Electronics	4
BSNL	5
Intervalve Poonawala Ltd	2
Gurgaon Police and Cyber Cell (IT Dept.)	1
Sofia Technical university	1
I Medita, Pune	1
University of Westminster, London	1
In plant Training at Raymond UCO Denim Pvt. Ltd.(Mech.)	1
Engagement For Internship Project at Tata Steel Processing & Distribution Ltd.	1
J.D. Cutting Tools Pvt., Ltd., Pune	1
Arsan Technologies Pune.	1

Project Internship at Crastal Engineers	1
Internship Programme at Central Farm Machinery Training & Testing Institute, Budni.	11
Internship Programme at Tata Motors Ltd., Pimpri, Pune.	2
Internship Programme at DDN SFA Ltd., Murud.	1
Internship Programme at Shri Rajarambapu Patil Sahakari Sakhar Karkhana Ltd., Rajaramanagar.	1
Internship Programme at Maharashtra Natural Gas Ltd.(MNGL), Pune.	1
Internship Programme at Accura Technologies Nashik	1
Internship Programme at Hypro Engineers Private Ltd., Pune	1
Internship Programme at Samarth Engineers Pvt. Ltd., Pune	1
Internship at Zydus HealthCare Pvt. Ltd.	1
Internship at Reliance Jio	1
Internship at CMI Denmark(2017-18 Sem II)	2

11.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 DEMAND RATIO DURING THE YEAR

Year 2018-19

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
Mechanical Engineering	180	20	13
Electrical Engineering	60	19	17
Electronics & Telecommunication Engg	60	07	03
Computer Engineering	120	136	134
Information Technology Engineering	60	62	51
MBA	180	110	106
ME Mechanical	18	06	06
Year 2017-18			
Mechanical Engineering	180	162	153
Electrical Engineering	60	58	52
Electronics & Telecommunication Engg	60	70	56
Computer Engineering	120	170	162
Information Technology Engineering	60	75	68
MBA	180	160	156
ME Mechanical Design	18	18	18

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (Data for 2018-19 and 2017-18)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	Mechanical Engineering- FE + SE + TE + BE = Total 13+120+195+307= 635	Mechanical Engineering- ME-I + ME-II = Total 1+17 = 18	30	3	33
2018-19	Electrical Engineering- FE + SE + TE + BE = Total 18+43+70+79 = 210	Electrical Engineering- No PG Section	14	---	14
2018-19	Electronics & Telecommunication – FE + SE + TE + BE = Total 03+50+71+86 = 210	Electronics & Telecommunication Engineering- ME-I + ME-II = Total 0+5 = 5	13	3	16

2018-19	Computer Engineering- FE + SE + TE + BE = Total 134+147+176+200 = 657	Computer Engineering- No PG Section	21	--	21
2018-19	Information Technology- FE + SE + TE + BE = Total 51+52+121+101 = 325	Information Technology- No PG Section	12	--	12
2018-19	----	MBA FY + SY= Total 106+ 177= 283	-- 635,210,210,657 ,325, 283,60	11	11
2018-19	----	MCA FY + SY+TY 00+00+60=60	--	1	1
2017-18	Mechanical Engineering- FE + SE + TE + BE= Total 153+183+217+198 = 751	Mechanical Engineering- ME-I + ME-II = Total 18+09 = 27	34	3	37
2017-18	Electrical Engineering- FE + SE + TE + BE = Total 52+60+68+58 = 238	Electrical Engineering- No PG Section	13	----	13
2017-18	Electronics & Telecommunication - FE + SE + TE + BE = Total 56+59+73+49 = 237	Electronics & Telecommunication Engineering- ME-I + ME-II = Total 05+01 = 06	17	3	20
2017-18	Computer Engineering- FE + SE + TE + BE= Total 162+158+154+133= 607	Computer Engineering- No PG Section	24	---	24
2017-18	Information Technology- FE + SE + TE + BE= Total	Information Technology- No PG Section	13	---	13

	68+88+69+68 = 293				
2017-18	- ----	MBA FY + SY= Total 156+154=310	----	11	11
2017-18	-----	MCA FY + SY+TY 00+61+79=140	-----	1	1

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 (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
19(Comp)	19	Email, Whats app Group, You tube, NPTEL Videos, Microsoft Power Point Presentations, Online Journals & Magazines, Web Cam, Speaker	05	05	Flipped Class Room, Virtual Class room
12(IT)	12	Projector,Computer, PowerPoint,PowerPoint Presentations,K-Point	3	0	PowerPoint PresentationsAnimation videos,K-point Lectures
14(E & TC)	10	LCD Projector, White board, Audio System, Mic	4	1	Flipped Classroom, NPTEL video lectures, SWAYAM
12 (Electrical)	12	GEMS Myexamo portal Google mail groups and whatsapp groups k-point softwares	04	0	NPTEL lectures Science-direct

					Spoken tutorial
31(Mechanical)	31	K-Point Server Internet Connectivity Podium with inbuilt PA System E-exam Portal LCD ProjectorERP (GEMS), Google Groups, Google Drives, Google Sheets, NPTEL Videos, SWAYAM and online courses, edx, course etc.	8	Nil	Digital Library Online E-Sources sharing through Google groups & GEMS (Local ERP), Online test, Flipped classroom, Virtual Lab, NPTEL, K-point server, Free open source software (FOSS), E-Exam portal for mock onlinetest, SWAYAM and online courses like edx course, LCD Projector

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

The institute has Teacher Guardian (TG) scheme for counseling the students which satisfies the mission statement of the institute towards the holistic development of students. Under this scheme every teacher is assigned a group of approximately 25 students. A Teacher Guardian acts as a Friend – Philosopher – Guide to each student. A TG monitors the student through various ways explained as follows:

By providing academic support:

The TG maintains the record of their allocated students in every aspect which includes the record of academic performance of the students, personal information like permanent and temporary address, mail id, mobile no etc.

The TG conducts regular meetings with assigned students. The students can discuss the academic problems with the TG in the meeting. Through the periodic meetings with the students TG knows difficulties faced by the students and remedial actions are taken in case of problems. Cumulative attendance of all students is maintained in the department. Regular absent students are identified by the Teacher Guardian (TG) and the same is informed to the parents through telephonic conversation, SMS if required.

Evaluation monitoring of the students are done through the periodic tests which are taken following SPPU pattern to let the student and parent know where the student stands. Record of periodic tests is maintained. Unit Tests and Prelim Examinations are conducted in each term. Mock online tests are conducted for SE students and results are disclosed to students. Mock practical and oral exams are also conducted and performance of the students is evaluated and informed to all students.

Academically weaker students are identified from the outcome of university and internal assessments. The institute organizes remedial and extra lectures for these students. This helps the students in understanding the basic concepts about the subject and makes the student more comfortable with the subject

By providing personal support:

The TG conducts regular meetings with assigned students. The students can discuss their personal problems with the TG in the meeting and /or he /she can discuss it in person. The TG maintains proper communication with the parents by informing them regarding the absenteeism/irregularity of the students. It also helps in understanding the family background of that student.

Heads of the department are talking to students individually also counsel the students on

- Resolution of complaints and support by Grievances cell
- The suggestions from students are well thought-out. The suggestion box is also kept in the department.
- Medical facilities are also available in the campus for needy students.
- Problems related to hostel and mess is also attended and sorted out by hostel warden time to time.

Psychological support also provided to the students by TG, HoD, and Principal on case-to-case basis. A professional counselor is also available in the campus to solve student's problems and queries.

In spite of above mentioned responsibilities faculty members, TG, Heads and Training & Placement officer assist student seeking advice for

- Higher education,
- Selection of elective subjects in final year,
- Selection of seminar topics and project domains; and
- Career path selection.

Almost all students are availing the facility of academic support and career guidance support, whereas a few students also avail the personal, and psycho-social support through teacher guardian scheme.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
Year 2018-19		
Mechanical Engineering- 635	33	1:19
Electrical Engineering- 210	12	1:18
Electronics & Telecommunication Engineering- 210	16	1:13
Computer Engineering- 657	21	1:30
Information Technology Engineering- 325	12	1:27
MBA- 283	12	1:22
Year 2017-18		
Mechanical Engineering-751	37	1:20
Electrical Engineering-238	13	1:18
Electronics & Telecommunication Engineering-237	20	1:12
Computer Engineering-607	24	1:25
Information Technology Engineering-293	13	1:22
MBA-310	14	1:20

2.4 Teacher Profile and Quality					
2.4.1 Number of full time teachers appointed during the year					
Designation	No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D.
Year 2018-19					
UG					
Electronics & Telecommunication Engg. Dept	11				
Professor	1	--	1	--	--
Associate Professor	2	1	1	--	1
Assistant Professor	8	11	3 Excess	3	--
Computer Engineering	20				
Professor	2	--	2	--	--
Associate Professor	4	--	4	--	--
Assistant Professor	14	19	5 Excess	1	--
Information Technology	10				
Professor	1	1	0	--	1
Associate Professor	2	--	2	--	--
Assistant Professor	7	9	2 Excess	--	--
Mechanical Engineering	32				
Professor	4	--	4	--	--

Associate Professor	7	--	7	--	--
Assistant Professor	21	28	7 Excess	8	--
Electrical Engineering	12				
Professor	1	--	1	--	--
Associate Professor	3	--	3	--	--
Assistant Professor	8	12	4 Excess	1	--
Engineering Sciences	12				
Professor	1	--	1	--	--
Associate Professor	3	--	3	--	--
Assistant Professor	8	10	2 Excess	1	1
PG					
PG Electronics & Telecommunication Engg. Dept	3				
Professor	1	1	--	--	1
Associate Professor	0	--	1	--	--
Assistant Professor	2	2	--	--	--
PG Mechanical Engg. Dept	3				
Professor	1	--	1	--	--
Associate Professor	0	--	--	--	--
Assistant Professor	2	3	--	--	--
MBA	18				
Professor	2	1	1	--	1
Associate Professor	4	1	3	--	1
Assistant Professor	12	6	6	--	3
MCA	4				
Professor	1	1	--	--	1
Associate Professor	1	--	1	--	--
Assistant Professor	2	--	2	--	--

2.4.2 Honours and recognitions received by teachers*(received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year) : NIL*

<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>

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**

Program Name	Program Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Year 2018-19				

UG Engineering	677261210, 677261220, 677229310, 677237210, 677224510, 677224610	Semester I	29 th December 2018	Will be declared in January 2019
MBA	677210110	Semester I	12 th December 2018	Will be declared in January 2019

Year 2017-18

UG Engineering	677261210, 677261220, 677229310, 677237210, 677224510, 677224610	Year 2017-18	25 th May2018	4 th July 2018
MBA	677210110	Year 2017-18	11 th May 2018	27 th June 2018

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)**The major evaluation reforms initiated by the institution on its own are as follows:**

The evaluation scheme reforms are comprised of continuous evaluation throughout the semester. The components for continuous evaluation are attendance, understanding of concept, case study, class test, field visit, simulation, home assignment etc. The marks of term work / internal is based on continuous evaluation. The institute has implemented mock practice session through E-exam portal for first year and second year engineering students. The institute conducts unit test/ tutorial / preliminary test and mock

practical sessions to make students aware about their preparations and declared the result in eight days. The institute also takes mock presentations of seminar, mini projects and projects. To meet recruiter's expectations institute organizes various programs / events in view of bridging the gap between Institute and Industry. The teaching-learning process was shifted in interactive, project, and group based approach so as to make ease of answering the application based questions by students. Acquainting students with the online examination system, the institute provides practice Multiple Choice Questions (MCQ) through E-exam portal. Ensuring the fulfillment of the parameters of continuous evaluation through completion of term work, conduction of mock practical and oral examination prior to university examinations, conduction of online, in semester and end semester examinations.

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

For the qualitative implementation of teaching and learning, the institute plans and organizes teaching learning and evaluation schedule.

Academic Calendar: In line with the academic calendar of SPPU, the Institute prepares academic calendar. It comprises of internal, university examinations, midterm submissions, STP, VAP, AMCAT tests, QALR tests, Industrial visits, seminars and guest lecturers etc. Teaching plan of each subject teacher is prepared on the basis of academic calendar and curriculum. Content beyond the syllabus is also planned to meet the objectives of the course.

Evaluation process:

Attendance Monitoring: Cumulative attendance of students is displayed monthly on the notice board. If needed TG interact with students if his/her attendance is not up to the mark, and the same is also communicated to their parents.

Continuous Evaluation: The department monitors the attempt/participation of the students in laboratory work through continuous evaluation process, accordingly the student gets internal marks (Term work marks). Unit Tests and Prelim Examinations are conducted in each term. The examination performance of the students is monitored. Teacher Guardian counsels the students about the academic performance. Mock online tests are conducted for SE students and results are disclosed to students. Mock practical and oral exams are also conducted and performance of the students is evaluated and informed to all students.

University Evaluation: At the end of term, SPPU conducts examination and evaluates the student's performance and offers the marks/ grade for the same.

Extra efforts and remedial measures: After each internal test, mock test or university examinations, result analysis is done. Academically weak students are identified and extra sessions are scheduled for them. Head of the department takes a review of the result analysis. Remedial lectures are scheduled for failure students. AMC also takes review of result analysis as well as feedback and suggests corrections needed.

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)

Computer Engineering: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/computer-engineering/peo-and-po.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/computer-engineering/peo-and-po.aspx)

Electrical: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/electrical-engineering/peo-and-po.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/electrical-engineering/peo-and-po.aspx)

E&TC: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/electronics--telecommunication-engineering/peo-and-po.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/electronics--telecommunication-engineering/peo-and-po.aspx)

Information Technology: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/information-technology-/peo-and-po.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/information-technology-/peo-and-po.aspx)

Mechanical: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/mechanical-engineering/peo-and-po.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/mechanical-engineering/peo-and-po.aspx)

2.6.2 Pass percentage of students

Program Code	Program name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
677224510	Computer Engineering(16-17)	144	137	96.47
	Computer Engineering(17-18)	135	128	95.52
677224610	Information Technology (16-17)	69	64	92.75
	Information Technology (17-18)	66	63	96.92
677237210	Electronics and Telecommunication(16-17)	72	65	90.27
	Electronics and Telecommunication(17-18)	50	45	90.00
677229310	Electrical Engineering (16-17)	74	70	95.59
	Electrical Engineering(17-18)	54	49	90.74
677261210 (Shift I)	Mechanical (16-17)	215	198	92.06
	Mechanical (17-18)	196	184	93.88
677210110	MBA (16-17)	166	154	92.77
677210110	MBA (17-18)	158	143	90.51

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 web link) — A Google form for feedback about Institute and Department is shared with the students of all the departments. The analysis of feedback forms is taken into account while planning the academics of next semester.

Web link for (Feedback about Institute from Electrical Department Students)

<http://cms.sinhgad.edu/nbnssoe/Student-Feedback.pdf>

Web link (Feedback about Electrical Department)

<http://cms.sinhgad.edu/nbnssoe/FEEDBACK-FROM.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

Academic Research Committee (ARC) motivates and helps faculty to submit good quality research projects for various funding agencies. ARC creates awareness about research culture among faculty and student by conducting various research oriented activities. ARC also provides support for smooth progress and implementation of research schemes/projects. Expert guidance is provided by the RC members to the students carrying out research activities. The institution provides assistance in auditing and receiving the utilization certificate for the funds received for research from various funding agencies.

Faculty members are encouraged to pursue Ph.D. and Institute allows them to pursue research during working hours. Staff are also encouraged to participate in various faculty development programs (FDPs), STTPs, seminars and workshop to expose them to recent trends in education and technology.

Students as well as faculty members are guided as well as encouraged to publish research papers in Journals of national and international repute.

Students are encouraged to participate in project competitions like Avishkar, BAJA, Go Kart, Hackathone etc.

Institute promotes faculty members for consultancy by providing incentives. Generated income is distributed among the faculty involved in consultancy according to the institute policy.

The institution has well equipped laboratories with basic equipment needed to initiate the research. The institute provides library resources such as books, e-journals and e-books.

For the all round development of the students, Institution has established various clubs such as science club, engineering clubs, management and research club, media club, photography club etc. These clubs organize activities such as design contest, project competitions, technical paper presentation competitions, etc. It helps to produce competent students to face the new challenges of today's globalized world. Student Training Program (STP) includes a module for inculcating a research culture and aptitude among students.

Institute has strong mechanism to interact with Industry through various MoUs and Industry Institute Interaction Cell. 'Industry Institute Interaction Cell' (IIC) has been set up and industry professionals are invited to interact with faculty and students.

Various social activities such as blood donation camp, organ donation awareness program, gender equality awareness program, computer awareness camp in a rural area etc. are organized

involving students for their holistic development.

3.1.1 Research funds sanctioned and received from various agencies, industry and other organizations in the year 2017-18.

Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned in Rs	Amount received during the Academic year in Rs
Major projects	--	--	--	NIL
Minor Projects	--	--	--	NIL
Interdisciplinary Projects	--	--	--	NIL
Industry sponsored Projects	28/54 for UG (2017-18)	Respective Industries	Infrastructure Facilities	NIL
Projects sponsored by the University/ College	--	--	--	NIL
Students Research Projects (<i>other than compulsory by the College</i>)	Aug 2017 to Sept 2017	FICE - Intel	8000	8000
International Projects	--	--	--	NIL
Any other(Specify)	--	--	--	NIL
Total			8000	8000

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)

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

Sr. No	Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category

1	Application for Security and Network security for safe transfer of Data over Network.	3rd prize	Deutsch Kraftewerke's India Rising	15-16 th July 2017	Project Competition
2	Certification in NPTEL On line course	Prof. J. A Desai	MHRD	July-Oct 2017	Certification in NPTEL On line course -Modern Digital Communication Techniques
3	Certification in NPTEL On line course	Prof. D. H. Gawali	MHRD	July-Oct 2017	Certification in NPTEL On line course- Design of Internet of Things
4	Reviewer	Prof. D. H. Gawali	IEEE Sensors Journal	14 th Nov 2017	Reviewing manuscript Sensors-19714-2017
5	Certificate	Prof. H. N. Lokhande	IEEE	22 nd June 2017	Certificate of Completion by IEEE
6	Certificate	Dr. Avinash Ghadage	Research Scholar	14 th Dec 2017	Finance
7.	Certification in NPTEL On line course	Dr.Smita R.Chavan	MHRD	July-Oct 2018	Certification in NPTEL On line course –Python Programming
8.	Certificate	Dr. Nilesh Anute	Research Scholar	22 nd June 2018	Marketing
9	Certificate	Dr. Harshal Raje	Research Scholar	4 th April 2018	Management

3.2.3 No. of Incubation Centre created, start-ups incubated on campus during the year: NIL

Incubation Centre	Name	Sponsored by

Name of the Start-up	Nature of Start-up	Date of commencement

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards : Once Ph.D. is completed incentives in the form of promotions and higher pay scales are given to the faculty.

Study leave for the faculty pursuing Ph.D. is granted. Research assistance is also provided to the faculty pursuing research.

State	National	International

3.3.2 Ph.Ds awarded during the year (*applicable for PG College, Research Centre* : NA

Name of the Department	No. of Ph. Ds Awarded

3.3.3 Research Publications in the Journals notified on UGC website during the year 2017-18

	Department	No. of Publications	Average Impact Factor, if any
National	-	-	-
International	Information Technology	2	1.21
	Computer Engineering	2	5.97
	E&TC	3	1.1
	IT	21	3

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

Department	No. of publication
Electronics and Telecommunication	Book on "Power Electronics" Nirali Publications ISBN :978-93-87397-21-7

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Multi-objective fractional gravitational search algorithm for energy efficient routing in IoT	Dhuma ne, A.V., Prasad, R.S	Wireless Networks(Springer), 2017	2017-18	-	01	-
Enhancement of password authentication system using graphical images	Amol Bhand, Swati Shirke, V. Desale	Proceedings - IEEE International Conference on Information Processing, ICIP, 2016(Cited year 2017)	2017-18	-	01	-
Fingerprint Liveness Detection	O. S. Rajank ar, Sagar Lokare, Dr. Rajesh Bodade	CiiT international journal of biometrics Vol 10, No. 6, June 2018.	June 2018.	0	NBN Sinhgad School of Engineering, Pune	0
Smart space Services	O. S. Rajank ar, Amruta S. Sali	CiiT international journal of biometrics Vol 10, No. 7, June 2018.	June 2018.	0	NBN Sinhgad School of Engineering, Pune	0

Heuristics approach to speeding up salientectection	Dr. O.S.Rajankar Dr.U.D . Kolekar Dr. S.N. Talbar	Signal, Image & Video Processing- Springer London	Sept 2018	0	NBN Sinhgad School of Engineering, Pune	0
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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 the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Heuristics approach to speeding up salientectection	Dr. O.S.Rajankar Dr.U.D. Kolekar Dr. S.N. Talbar	Signal, Image & Video Processing- Springer London	Sept 2018	0	0	NBN Sinhgad School of Engineering, Pune

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

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	1	5	-	26
Presented papers	2	6	6	4
Resource Persons	-	-	-	2

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year. http://cms.sinhgad.edu/nbnssoe/NSS_Report.pdf

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
21 st June 2017	International Yoga Day Celebration At NBNSTIC	02	90
21 st June 2017	One day visit to Loni Kalbhor for Swachhta Dindi	03	82
30 th June, 2017	Tree Plantation at Gorhe(Bk.),Tal-Haveli,Dist-Pune	03	92
24 th August 2017	‘Public Interaction Awareness’ program was organized in Pune by STES’s NBN Sinhgad Technical Institutes Campus, Ambegaon (Bk.), Pune in association with Spit free India campaign by “SAARE JAHAN SE ACCHA FOUNDATION” of Pune city	03	80
24 th September 2017	“SNEHWAN” Orphanage visit to NBNSTIC	03	93
24 th September 2017	NSS-NBNSTIC had organized a blood donation camp on the occasion of “Foundation Day of NSS”	03	152
15-21 st January 2018	Special camp at Gorhe (Bk)	03	56

16 th July 2018	Student Orientation Program	02	175
20 th July 2018	Tree Plantation at Ramtekadi, Hadapsar, Tal-Haveli, Dist-Pune	03	124
21 st - 23 rd July 2018	Kerala Relief Fund	03	2
11 th Septembe r 2018	Seminar on Segregation of plastic waste and recycle management	02	106
18 th Septembe r 2018	Public awareness for Eco- friendly Ganesh idol immersion campaign, Vadgaon (Bk.)	03	75
21 st Septembe r 2018	Street Play: Women empowerment, Education system	03	50
25 th Septembe r 2018	Blood donation camp in collaboration with SKN Hospital, Pune.	03	104

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

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited

3.4.3 Students participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachha Bharat, Aids Awareness, Gender Issue, etc. during the year: NIL

Name of the scheme	Organizing unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities

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
Internship at University of Westminster, London	Abhishek Kulkarni	Self	15 days

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-To)	Participants
Project Work	Project Work	Mechatol Engineering Solutions Pvt. Ltd., Ideal Chambers, Kothrud, Anand Bhise(9923422378)	June 2017- Feb 2018	03
Project Work	Project Work	The Automotive Research Association of India, S No. 102, Vetal Hill, Off Paud Road, Kothrud, Pune- 411038. Contact Person: D. D. Kulkarni (+91 9975268350)	June 2017 –Feb 2018	03
Project Work	Project Work	Shreyas Enterprise survey no 79/2 near perfect gym,Narhe Road,Pune. under guidance of Mr. Mahantesh Malakh contact no:9850371184	June 2017 –Feb 2018	04
Project Work	Project Work	Bharat Forge Ltd., Mundhwa, Pune-411036	June 2017 –Feb 2018	03

Project Work	Project Work	ULTRA Engineering, Gat No.-357,Part B, Plot No.-78,80&83, Talegaon Chakan Road,Kharabwadi,Maharashtra 410501 Mr. Sarjerao Ananadrao Suryawanshi (9623991239)	June 2017 –Feb 2018	04
Project Work	Project Work	Cummins India Ltd. Dahanukar colony, Kothrud,Pune 38	June 2017 –Feb 2018	04
Project Work	Project Work	SV Robotics & Automation India Pvt. Ltd. Dhyari, Pune	June 2017 –Feb 2018	04
Project Work	Project Work	Sumeet Enterprizes, S. No.43, behind Aroha Mangal Karyalaya, Apposite Kokate Building, Datta Nagar, Katraj, Pune-411046.	June 2017 –Feb 2018	04
Project Work	Project Work	Bharat Forge Ltd., Mundhwa, Pune-411036, Zameer Shaikh-8308849486	June 2017 –Feb 2018	04
Project Work	Project Work	Mechatol Engineering Solutions Pvt. Ltd., Ideal Chambers, Kothrud, Anand Bhise(9923422378)	June 2017 –Feb 2018	04
Project Work	Project Work	Mechatol Engineering Solutions Pvt. Ltd., Ideal Chambers, Kothrud, Anand Bhise(9923422378)	June 2017- Feb 2018	04
Project Work	Project Work	SV Robotics & Automation India Pvt. Ltd. Dhyari, Pune	June 2017 –Feb 2018	04
Project Work	Project Work	Sumeet Enterprizes, S. No.43, behind Aroha Mangal Karyalaya, Apposite Kokate Building, Datta Nagar, Katraj, Pune-411046.	June 2017 –Feb 2018	04
Project Work	Project Work	Bharat Forge Ltd., Mundhwa, Pune-411036,	June 2017 –Feb 2018	04

		Zameer Shaikh- 8308849486		
Project Work	Project Work	Mechatol Engineering Solutions Pvt. Ltd., Ideal Chambers, Kothrud, Anand Bhise(9923422378)	June 2017 –Feb 2018	04
Project Work	Project Work	Tal Manufacturing Solutions Limited, Chinchwad, Pune	June 2017 –Feb 2018	04
Project Work	Project Work	ASHA ENTERPRISES Sr. No.1188,Sadashivpeth,limayewadi,next to yogesh hospital,off tilak rad,pune-411030 CONTACT-Mr.ajit pawar-7875059674	June 2017 –Feb 2018	04
Project Work	Project Work	Shandong Heavy Industry India Pvt. Ltd., Plot no. 280,281, Phase -II, Hinjawadi, Pune-411057 Contact:-Mr. Nilesh Nalawade-8600168895	June 2017 –Feb 2018	03
Project Work	Project Work	Digitech Control System, Dangat Industrial Estate,NDA Road, Shivane, Pune-411023 Contact Person- Mr. Shekhar Todkar Contact No.- 9850371184	June 2017 –Feb 2018	04
Project Work	Project Work	UV Knowledge Link Pvt. Ltd. Above Hotel Carnival, Nashik.	June 2017 –Feb 2018	04
Project Work	Project Work	ASHA Enterprises, Limayewadi, Tilak Road, Pune	June 2017 –Feb 2018	04
Project Work	Project Work	Shreyas Enterprises, Narhe Pune, 411041 contact - Santosh Sir 8806506688	June 2017 –Feb 2018	04
Project Work	Project Work	Easyfarm, Sanotsh nagar, katraj pune. Contact:7028947057	June 2017 –Feb 2018	04
Project Work	Project Work	Gateej Engineering Company, Survey no.	June 2017 –Feb 2018	04

		38/2/16, Narhe industrial area, near pari company, Narhe, Pune		
Project Work	Project Work	Kirloskar Oil Engines Ltd., Laxmanrao Kirloskar Road, Khadaki, Pune - 411003 Mr. Nitin Gokhale – 9881091502	June 2017 –Feb 2018	03
Project Work	Project Work	Om Sai Enterprises, Chakan, Pune.	June 2017 –Feb 2018	04
Project Work	Project Work	Golden Star Technical Service Pvt. Ltd, Bhosari, Pune	June 2017 –Feb 2018	05
Project Work	Project Work	Golden Star Technical services Pvt Ltd, Contact: Siddharth Parlikar(9403200240),Pavana Ind Estate, A-39 Plot T204, MIDC Bhosari, Pune- 411026 MH India	June 2017 –Feb 2018	04
Project Work	Project Work	Bahubali Enterprises, DSK Vishwa Road, Dhayri, Pune	June 2017 –Feb 2018	04
Internship	Internship	Internship Programme at Central Farm Machinery Training & Testing Institute, Budni.	May 2018-June 2018	11
Internship	Internship	Internship Programme at Tata Motors Ltd., Pimpri, Pune.	May 2018 –June 2018	02
Internship	Internship	Internship Programme at DDN SFA Ltd., Murud.	May 2018 –June 2018	01
Internship	Internship	Internship Programme at Shri Rajarambapu Patil Sahakari Sakhar Karkhana Ltd., Rajaramanagar.	May 2018 –June 2018	01
Internship	Internship	Internship Programme at Maharashtra Natural Gas Ltd.(MNGL), Pune.	May 2018 –June 2018	01
Internship	Internship	Internship Programme at Accura Technologies Nashik	May 2018 –June 2018	01

Internship	Internship	Internship Programme at Hypro Engineers Private Ltd., Pune	May 2018 –June 2018	01
Internship	Internship	ASIAN POWER Systems (India) Pvt. Ltd.	05/06/2017 to 20/06/2017	01
Internship	Internship	MSEDCL	07/06/2017 to 17/06/2017	01
Internship	Internship	Laxmi Hydraulics Pvt. Ltd.	01/06/2017 to 15/06/2017	01
Internship	Internship	Cummins Technologies India Pvt. Ltd.	29/05/2017 to 21/07/2017	01
Internship	Internship	MAHAGENCO	29/05/2017 to 24/06/2017	01
Internship	Internship	Skipper Industries	01/06/2017 to 17/06/2017	01
Internship	Internship	Khare Elec Trans co.	06/06/2017 to 15/06/2017	01
Internship	Internship	MAHAVITRAN	09/06/2017 to 16/06/2017	01
Internship	Internship	MAHAGENCO	29/05/2017 to 24/06/2017	01
Internship	Internship	MAHATRANSCO	18/12/2017 to 20/12/2017	03
Internship	Internship	Bedmutha Industries Ltd.	16/12/2017 to 05/01/2018	01
Internship	Internship	Sahakarmaharshi Bhausahab Thorat Sahakari Sakhar Karkhana Ltd.	11/12/2017 to 21/12/2017	01
Internship	Internship	Devise Electronics Pvt. Ltd. Pune	06/01/2017 to 01/01/2018	01
Internship	Internship	Manraj Motors Pvt. Ltd. Jalgaon	01/06/2017 to 15/06/2017	01
Internship	Internship	Ambuja Cement Ltd.	11/12/2017 to 25/12/2017	02
Internship	Internship	MAHAGENCO	12/12/2017 to 05/01/2018	01
Internship	Internship	Rajasthan State Mines & Minerals Limited, Udaipur	16/12/2017 to 05/01/2018	01
Internship	Internship	MAHAGENCO	11/12/2017 to 30/12/2017	01
Internship	Internship	Shreem Electric Ltd. Jaisingpur	11/12/2017 to 25/12/2017	01

Internship	Internship	Shree Naik Electrotech, Kolhapur	15/12/2017 to 30/12/2017	01
Internship	Internship	Shreenath Electricals Pvt. Ltd. Kupwad	18/12/2017 to 01/01/2018	01
Internship	Internship	Shreenath Electricals Pvt. Ltd. Kupwad	21/12/2017 to 04/01/2018	01
Internship	Internship	Shree Naik Electrotech, Kolhapur	25/06/2018 to 10/07/2018	01
Internship	Internship	Shreenath Electricals Pvt. Ltd. Kupwad	21/06/2018 to 02/07/2018	01
Internship	Internship	MSEDCL	22/06/2018 to 27/06/2018	01
Internship	Internship	S. B. Electricals Nasik	17/06/2018 to 01/07/2018	01
Internship	Internship	BSNL, Nagpur	18/06/2018 to 29/06/2018	01
Internship	Internship	BHEL, Bhopal	18/06/2018 to 14/07/2018	01
Internship	Internship	Shreenath Electricals Pvt. Ltd. Kupwad	21/06/2018 to 04/07/2018	01
Internship	Internship	Vijeta Switchgear Pvt. Ltd. Kupwad, Sangli	25/06/2018 to 05/07/2018	01
Internship	Internship	Bharat Electrical Contractors & MFRS. Pvt. Ltd. Kupwad, Sangli	18/06/2018 to 04/07/2018	01
Internship	Internship	Shree Naik Electrotech, Kolhapur	25/06/2018 to 10/07/2018	01

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

Organization	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Mahavitaran	19/08/2017	Internship, Guest Lectures, Industrial Visits	21 students got internship + all SE, TE and BE got benefitted through guest lectures
Elevation Technology	5/9/2018	Student Training	36
i-Medita , Pune	5/2/2017	Internship, Seminars, Sponsored projects	220

Harbinger Group, Pune	3/10/2017	Internship, Seminars, Sponsored projects	20
Cyber Vault, Pune	10/9/2015	Internship, Seminars, Sponsored projects	180

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
30,00,000/- (2017-18) for Furniture & Fixtures	27,32,742/-
7,00,000/- (2017-18) for equipment & Tools	6,94,200/-
0000 (2018-19) for Furniture & Fixtures	000/-
5,00,000/- (2018-19) for Equipment & Tools	Nil

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	13430 Sq. mtrs	No
Class rooms	37	No
Laboratories	53	No
Seminar Halls	07	No
Classrooms with LCD facilities	37	No
Classrooms with Wi-Fi/ LAN	37	No
Seminar halls with ICT facilities	07	No
Video Centre	All seminar halls	No
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	----	No
Value of the equipment purchased during the year (Rs. in Lakhs)	4,12,65,310/-	3,62,143/-
Others	---	---

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 partially)	Version	Year of automation
AutoLib	Fully	---	2011

4.2.1 Library Services:

	Existing	Newly added	Total
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	No.	Value	No.	Value	No.	Value
Text Books	15133	4874190	57	33105	15190	4907295.00 *
Reference Books	739	598830	15	10457	754	609287.00 *
e-Books	1450	0	0	0	0	0
Journals	137	209070	0	0	137	209070
e-Journals	34000	3138338	275	601219#	34000	3138338 +601219#=3739447
Digital Database	8	3138338	1	601219#	8	3138338 +601219#=3739447
CD & Video	1005	0	0	0	1005	0
Library automation	1 Software	56000	0	0	1 Software	56000
Weeding (Hard & Soft)	0	0	0	0	0	0
Others (specify)	3	2400	1	1000	1	1000

4.3 IT Infrastructure									
4.3.1 Technology Upgradation (overall)									
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	494	16	For all PCs	For all PCs	01	32	All	100 MBPS	
Added	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	494	16	For all PCs	For all PCs	01	32	All	100 MBPS	
4.3.2 Bandwidth available of internet connection in the Institution (Leased line) 100 MBPS									
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				
K-Point					http://siom.kpoint.com				
4.3.4 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			Nil		

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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
50,000/- (2017-18)	54,879/-	4,00,000/-	3,99,400/-
2,00,000/-(2018-19)	---	1,00,000/-	----

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)

[http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/institutional-mechanisms.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/institutional-mechanisms.aspx)

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	SWD Scholarship for category students (SC,OBC,NT, SBC,ST)	909	5368257=.00
	RajarshiChhatrapatiShahuMaharaj ShikshanShulkShishyavruttiYojana (EBC)	425	6087769=00
	Dr. PunjabraoDeshmukhVastigruhNirvahBhattaYojna (Hostel Maintenance)	65	1896000=00
	State Minority Muslim, Sikh, Buddhist, Christian, Parsi	4	100000=00
	Primary & Secondary Teacher Concession (STC & PTC)	11	44000=00

Financial support from other sources

a) National		0	0
b) International		0	0

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
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Stipendary Internships and Industry Project Opportunities	27-09-2017	45	Gigindia Pvt Ltd, Pune
Group Discussion & Personal Interview	12-09-2017	185	Gofigito Pvt Ltd, Pune
Improvements in Final Year Projects	22-08-2017	78	Education Plus, Pune
CAE Tools and Job Opportunities	25-07-2017	70	Elation Academy, Pune
Bridge Courses (ENTC)	10, 11, 12 July 2018	55	Geekslab Technology Pvt. Ltd. 91, Spring Board, C-2, Sector-I, Noida(U.P.)-201301

5.1.3 Students benefited by guidance for competitive examinations and career counseling offered by the institution during the year-

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counseling activities	Number of students who have passed in the competitive exam	Number of students placed
Comp -2017-18	Guest Lecture on "GATE Counseling" dated 11th July 2017	128	-	0	-
Comp -2017-18	Guest Lecture on "Higher Education Counseling" dated 12th July 2017.	-	117	4	-
E& TC	Seminar on Career counseling	0	20	-	8

E&TC	Seminar on GATE counseling	25	0	0	-
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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	No. of grievances redressed	Average number of days for grievance redressal
1. Report about a boy entered in the Torna girl's hostel on 26/09/2017	1. Case was discussed & solved; an undertaking was submitted by that particular boy & girl. Strictly warning was given by the Principal.	1 day on 27/09/2017

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
Accenture	197	40	Amazon – Offcampus	56	0
AmarRaja	16	0	Asset Analytics – Offcampus	5	0
Amazon	85	4	Byjus – Offcampus	89	2
Amazon 2	47	3	Capgemini – Offcampus	98	2
Amazon Web Service - Intern	27	0	Cognizant – Offcampus	117	0
Aptify	33	0	Fujitsu – Offcampus	10	0
Arxxus	12	0	Global Step – Offcampus	13	2
Ascent Intellimation	26	1	Hexaware – Offcampus	22	0

Atlas Copco	1	0	Infosys Offcampus	112	1
Bauer Compression	10	0	Mphasis – Offcampus	18	1
Bibox	37	1	Neeeyamo - Offcampus	27	0
Bilt India	43	1	TIBCO – Offcampus	25	0
Bitwize	34	0	TMF Group – Offcampus	5	0
Board Infinity	3	0	True Element – Offcampus	6	0
Bosch Ltd - Campus 1	1	0	Wipro – Offcampus	103	0
BR Automation	7	0	ITC Infotech	26	4
Capital Aim Fin Pvt Ltd	45	1	Infosys	78	1
Causecode	31	0			
Cikautxo India Pvt Ltd	5	0			
Coditas – Offcampus	29	0			
Cognizant	21	2			
Cognizant Campus 2	46	1			
Cuelogic	12	0			
DANA	5	0			
Dheya Career Mentors	17	0			

Diamler	2	0			
DSM Ind Pvt Ltd	14	0			
EasyFarm	19	1			
E-Emphasys	11	1			
ElasticRun	22	1			
Elevation	17	0			
Emerson	14	0			
Enpro Industry Pvt Ltd	12	0			
eQ Tech	29	0			
Eventbeap	16	0			
Everest Industry Ltd	12	0			
Exusia	45	0			
Ezest	26	0			
FACE	45	0			
Federal Bank	26	0			
FinIQ	5	1			
Fiserv	39	0			
Fujitsu	2	0			
GE Electric India	16	2			
Genius Minds	35	0			
Gensis Vital Processore	37	2			
Global Step	56	5			

Haier India	46	0			
HCL	19	NA			
HFFC	45	3			
HFFC Drive 2	32	0			
Hourglass Research Pvt Ltd	1	0			
HSBC	12	0			
iASYS System	18	1			
Idmission	29	1			
ImpulseMarcom	23	0			
India First Robotics	27	0			
Indus Software	28	1			
Infostrech	32	0			
Intellyzen	22	0			
Intelux India	23	3			
InterviewAir	19	0			
Ion Energy	22	0			
Jayeshri Electro Device	12	3			
Kirloskar Group	1	0			
KSB Pump	5	0			
KSPG Group	23	0			
Launch India	19	0			
Left Right Mind	16	0			

Lotus	11	0			
LucasTVS	13	0			
Magna Steyr	12	0			
Make my Holiday	17	0			
Matrix	21	0			
Meccademia UAE	35	2			
Media Magic	25	0			
Micro Comp Pvt Ltd	5	0			
Mind Tree	39	0			
Mphasis	23	3			
Mphasis	65	1			
Navy	8	0			
NeilSoft Ltd	38	0			
Newgen	25	0			
NICE System	34	0			
NPAV	18	0			
Opulent Infotech Pvt Ltd	22	1			
Oracle	48	1			
Persistent	33	NA			
Persistent	13	0			
Persistent Interns	25	2			
Philips - ME	2	0			

Precon Service Pvt Ltd	2	0			
PrimeNumbers	32	0			
Prototech Solution	17	0			
Pustakmandi.com	5	0			
Ready Contacts	29	1			
RK Education App	67	0			
Sankey Business Sol	23	0			
Sanmar Group	23	0			
Savita Oil	2	0			
Schlumberger	22	0			
ScreenMagic	37	1			
Seisotech	28	3			
Sigmasoft	32	1			
Smarter Hi	22	0			
Smartprix	16	0			
SmartServ	36	0			
Softlink International	23	0			
Sparrow Risk Management Pvt. Ltd.	18	0			
SS&C GlobeOP	32	1			
Stellar Chian	11	0			

Suma Soft Pvt Ltd	32	0			
SurajIntergold	2	0			
Synerzip	5	0			
Syntel OffcampusAmcat 1	32	1			
Syntel OffcampusAmcat 2	12	2			
Syntel OffcampusAmcat 2	11	3			
TCS - Offcampus	119	0			
Technoforce	19	0			
Tetrapack	5	0			
Thermax	19	0			
Think & Learn	101	0			
Think & Learn (pool)	88	1			
Tiaa	34	0			
Tibco	28	0			
Tibco (Firstnaukri.com)	32	0			
TNS World	12	0			
Trimble Sol.	22	0			
Vighnhar Air Conditionar	21	0			
Volkswagen	85	0			

Webtech	26	0			
Xoriant	33	0			
Yodlee	5	0			
Zensar	33	3			

5.2.2 Student progression to higher education in percentage during the year 0.01%

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017-18(Comp)	2	Bachelor of Engineering	Computer Engineering	UNC Charlotte	Master of Science in Computer Science
2017-18(Comp)	1	Bachelor of Engineering	Computer Engineering	Bharati Vidyapeeth, Pune	Master of Technology
2017-18(Comp)	1	Bachelor of Engineering	Computer Engineering	SKNCOE, Pune	Master of Engineering
2017-18(ENTC)	1	Bachelor of Engineering	Electronics and Telecommunication	S.K.N. Sinhgad School of Business Management	MBA
2017-18(IT)	1	Bachelor of Engineering	Information Technology	D.Y.Patil Institute of Management & Research, Pune	MBA
2017-18 (Mechanical Engineering)	2	Bachelor of Engineering	Mechanical Engineering	1. Technical University of Munich 2. University of Michigan DearBorn	MS

2017-18 (Electrical Engineering)	1	Bachelor of Engineering	Electrical Engineering	Syracuse University	MS
2017-18 (Electrical Engineering)	1	Bachelor of Engineering	Electrical Engineering	SardarPatel College of Engg,Mumbai University	M.Tech
2017-18 (Electrical Engineering)	1	Bachelor of Engineering	Electrical Engineering	WalchandCollege of Engineering,Sangli	M.Tech
2017-18 (Electrical Engineering)	1	Bachelor of Engineering	Electrical Engineering	Pune VidhyarthiGriha's College of Engineering and Technology	ME
2017-18 (Electrical Engineering)	1	Bachelor of Engineering	Electrical Engineering	Dundalk Institute Of Technology, Republic of Ireland	M.Sc

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	NA	
SET	NA	
SLET	NA	
GATE	10	
GMAT	0	
CAT	0	
GRE	4	18157 2 4, 2089598, 847284, 306452
TOFEL	3	0000000032445735,00000000 31693834, R7036270/ 147522
Civil Services	0	
State Government Services	0	
Any Other	MBA	MB18115802, 890069510

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Participants
Sinhgad Sports Karandak 2018 Cricket boys Tournament (02/01/2018 to 22/01/2018)	Inter Collegiate / Inter Campus	41 (Teams)
Singing – Sinhgad Karandak	NBNSTIC	1

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	Sports	Cultural	Student ID number	Name of the student
2017-18 (Mechanical)	STES Silver Jubilee Celebration Sports Events	National	Yoga		BE2-56	AkshaySomase
2017-18 (Mechanical and Computer)	SHAHU Trophy 2017	National	Football		BE1-74 BE2-38 BE1- 08 TE2-29	SurajSomani, TanmayShendkar, TanmayBanvalikar, SukrutRevalkar
2018-19	Silver	National	Thaiboxing	-	SE2-60	Saurabh Kinholkar

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution

STES's Sinhgad Student Council Clubs – Mr. AdityaPrakash – President – 2017-18

Mr. Patel Yash – Member SSC- Mass and Media – 2017-18

Sinhgad Student Council is an association with a perfect blend of clubs to produce competent students to face the newer challenges of today's globalized world through holistic development.

This council provides a platform for students to support, share and excel in potential qualities.

This association includes various clubs such as alumni, management, engineering, research, placement, foreign students and student welfare.

Under Engineering, Electrical, Mechanical, E&TC, Robo, Aero, Computer and IT clubs are there. Throughout the year various activities such as guest lectures, workshops, Quiz, Students Carnival, Cultural events and sports competitions are conducted under SSC clubs.

The events are planned, organized and conducted for the students, and by the students. Following are the events conducted in the year 2017-18 and 2018-19 (SEM 1)

Sr. No.	Department / Club	Name of the activity	Date of activity	No. of Participants
1	Electrical	International Yoga Day 2017	21/06/2017	80
2	Electrical	Workshop on Introduction to PLC and SCADA by Prof. O. M. Shete	07/07/2017	23
3	Electrical	Advanced Computer Assembly by Mr. AnupKarandikar, Technical Head, Cymour Cycling Company Pvt. Ltd.	21/07/2017	79
4	Electrical	Visit to ECAM	29/07/2017	08
4	Electrical	Group Discussion by Mrs. SujataBiyani	28/07/2017	30
5	Electrical	Solar Power Panel making by Mr. AkshayPanchawate	12/09/2017	50
6	Electrical	International Yoga Day 2018	21/06/2018	63
7	Electrical	Visit to ECAM	07/09/2018	21
8	Electrical	Workshop on testing of electronic components by Mr. PrashantChaudhari	23/08/2018	76
9	Electrical	Workshop on Machine Learning by Prof. H. N. Lokhande	31/07/2017	62
10	Electrical	Introduction to CT and PT	27/07/208	60
11	AERO Club Mechanical	Design and assembly of Quad-copter workshop	28/09/2017	59
12	E&TC	Project idea competition	28/08/2017	20
13	Electrical	Research and Innovations in the field of Electrical Engineering	20/08/2018	86
14	Electrical	Opportunities for Electrical Engineer in Software Industry	26/07/2018	35
15	Electrical	Awareness program on Career avenues in abroad and	18/07/2018	53

		rigorous selection criterion involved		
5.3 Alumni Engagement				
5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): Yes. College has registered association of Alumni. The Registration number of association is MH/1123/2017/Pune and Registration Date is 10/08/2017.				
5.3.2 No. of enrolled Alumni: 807				
5.3.3 Alumni contribution during the year (in Rupees) : Rs. 8,07,000				
5.3.4 Meetings/activities organized by Alumni Association : 01				

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1 Institutional Vision and Leadership <u>Vision :</u> उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातुं कटिबद्धाः वयम् । We are committed to produce not only good engineers but good human beings, also.
<u>Mission</u> Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant society.
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) Academic and financial Decentralization makes a significant impact on policy, planning and management of an organization. To achieve quality of education, at various levels the college grooms the leadership. Governing body, Management, Principal, Vice Principal, IQAC Members, Steering committee, teaching staff, non-teaching staff, supporting staff, student's union, student representatives, Stakeholders, Alumines and various committees jointly empower, propose, design, formulate and execute their plans within the frame work of

governance. The Academic, Administrative, Sports, NSS, Cultural, Examination, STP, IQAC, Purchase, Accounts. Dead stock verification, ERPetc. committees are working together for the smooth running and over all functioning of the college.

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

Yes, Institute uses Governing Educational Management System (GEMS) software for administrative and academic work.

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):

Curriculum Development

The institute is affiliated to Savitribai Phule Pune University (SPPU). The curriculum is developed by SSPU Pune and it gets upgraded after every 4 years.

Board of studies (BoS) is a body in the University to formulate the curriculum. Faculties are actively participating in the process of design and development of curriculum at various levels such as member BOS, coordinators for subject revision, etc.

Teaching and Learning

For carrying out effective and smooth teaching learning process, every department makes necessary preparations before the commencement of semester. The effectiveness of teaching-learning process is ensured by the members of IQAC. Some of the steps which are followed while implementing the teaching -learning process are:

- Academic related programs such as Train the Trainers (TTT) and Faculty Development Program (FDP) are organized for faculty by the institute and University respectively for different courses.
- Course allocation to faculties prior to start of semester
- Preparation of departmental Academic Calendar and Teaching Plan
- Defining Course learning Objectives and Course Outcomes
- Preparation of Lecture notes
- Modifying the laboratories to cater for the needs of revised syllabus and new technology
- Monitoring the teaching process through Online feedback from students, Oral feedback from students by Head of Department, Academic audit by peer committee, Result analysis for internal as well as external (University) examinations.

- Monitoring students' performance through Internal Unit Test, Mock Tests and practicals, Preliminary examinations, Improvement tests, Assignments, tutorials, seminars
- Addressing issues of individual student remedial classes for slow learners, Personal guidance to students approaching with difficulties, Mentoring of students through Teacher-Guardians.

Examination and Evaluation

- Internal Mock tests (for Online exam and Practical), Unit tests and Preliminary examinations (Theory) are conducted at institute level.
- Evaluation is done by the respective subject teachers and discussed with students.
- External theory examination and practical/oral examinations are conducted by SPPU as per their rules and regulations.
- Institute maintains overall analysis of the examination results.

Research and Development

The institution has a central research committee (RC) to monitor and address the issues of research. For developing the research culture, various departments of the institute have signed MOUs with industries. Institute motivates the faculty to undertake research activities through post graduate studies and doctoral studies. It motivates them to publish research papers.

Library, ICT and Physical Infrastructure/Instrumentation

The Library is automated with AUTOLIB library management software and the operations of cataloguing, circulation, stock verification have been automated. Online Public Access catalogue (OPAC) enables user to search the books in the possession of the library. Library also provides reprographic services, current awareness services, inter library loan, referral services and book reservation facility. In house/Remote access to e-publications is made available through internet, Wi-Fi and Library Portal. A well-equipped Digital Library with 30 nodes having internet connectivity is housed in the Central Library for access to e-publications. In order to update users about the latest technology, library subscribes to e-resource packages of Elsevier e-journal (Science Direct). Reading room is available 24x7 hours. Internet service, Governing Education Management System (GEMS) and Wi-Fi facility has been made available to the faculty and students in laboratory and faculty room. LCD projectors are installed in all classrooms & few computer laboratories for on-line demonstrations of the practical course material. Online e-Exam portal provides multiple choice question banks for getting command over online examinations. All the departments have well equipped laboratories, as per the norms prescribed by various affiliating bodies. Every department has a multipurpose seminar hall equipped with LCD projector and PA system.

Human Resource Management

The service rules, Pay-packages and other facilities are given to faculty and staff as per norms by SPPU & Govt. of Maharashtra.

For professional development of the human resources, the institute encourages the faculty and staff to undergo development programs outside the institute, provides technical resources and financial assistance to undertake such development programs.

Partial financial assistance is offered to faculty for participating in various STTPs, FDPs, workshops, webinars, seminars and conferences.

The facilities like 1) EPF 2) Gratuity 3) GIS 4) EMBF and leaves like CL, SL, Maternity Leave, EL, Vacation are given to faculty and staff as per norms.

At the end of every academic year, Performance evaluation of the staff is done by online appraisal system provided on GEMS.

Cognizance of performance appraisal and qualification improvement of the employees by the respective HOD & Principal for annual increment and higher post.

Faculties are given opportunity to work with other overseas institute and encourages higher qualification enhancement in collaboration with overseas universities.

Industry Interaction / Collaboration

Industry Institute Interaction Cell (IIIC) consisting of member from industry, alumni is formed in every department and member from industry interacts with students.

Visit to industry, lectures on current technology are organized. Students are directed to industries for sponsored projects. Eminent speakers from industry and service sector are invited for interaction with the students and faculty.

Students go for in plant training or internship programs during vacation.

Entrepreneur Development (ED) Cell motivates the students to initiate an innovative idea which is converted to a new venture management. The Entrepreneurship Development Cell (EDC) orients students to start their own business ventures.

Bright students of department are allotted some of the industry projects.

Alumni placed in the reputed industries are invited for informal dialogue with the students.

Study tours are conducted for students to visit industries.

Admission of Students

The admissions are carried out through centralized process by DTE Maharashtra, so the data for minimum and maximum percentage of marks with other colleges of the affiliating university are not available for comparison.

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

Planning and Development

A Governing Educational Management System (GEMS) is maintained at institute level.

Paperless governance is carried out through GEMS online-the ERP platform.

GEMS is used for online management of -

- Staff Profiles and Service Records.
- Biometric attendance and leave approval of staff
- Student Profiles
- For taking students feedback

Administration

STES has its own data Centre. Important news and major events are uploaded on College Website i.e. www.sinhgad.edu.

GEMS software updated with faculty profile and facilities is being used for leave management and performance appraisals.

Activities of the institution such as sending e-mails, notices and agendas to faculty and staff rather than printing and distributing them is done with GEMS, enforcing a paperless communication.

Wi-Fi internet system is available in the office and faculty rooms.

Institute uses Bulk SMS Services to inform parents regarding the attendance and performance status of students.

Finance and Accounts

Account section uses Aspire Module (ERP-9) in order to maintain complete record of students. SINEWARE software is used to maintain the records of salary.

Student Admission and Support

DTE provides details of admission process and information brochure on its website: (www.dte.org). This brochure gives information regarding the eligibility and rules of admission for first year of engineering courses in the State of Maharashtra.

Examination

Institute uses Online e-Exam portal to provide multiple choice question banks and to conduct internal online test for students so that they get command over online examinations.

Institute and SPPU co-ordinates through QPD to carry out all exam related work.

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
2017-18	Mrs. Pooja P. Kulkarni	IEEE membership fees	IEEE membership fees	2,500/-
	Mrs. Pallavi Wararkar	AICTE-ISTE Approved 1 Week STTP on "Network Analysis and Synthesis" at ZCOER Pune	-	750
	Mr. A.V. Dhumane	Research Methodology and thesis Writing for Engineering Scholars	NBN Sinhgad School of Engineering, Ambegaon (Bk), Pune.	700/-
	Mrs. S. A. Chiwhane			1400/-
	Mr. P. S. Hanwate			1400/-
	Mr. D. S. Gaikwad			1400/-
	Mrs. S. N. Bhosale	DBMS Laboratory-I		250/-
	Mr. D. S. Gaikwad	Faculty Orientation Workshop on	-	650/-
	Mr. K. B. Kharat	TE(E&TC/Elex) Revised Syllabus 2015 Course	-	650/-
Mr. H. N. Lokhande	Workshop by NVIDIA on Machine learning	-	4,000/-	
2018-19	Mr. S. P. Bendale	Laboratory Practice-I	NBN Sinhgad School of Engineering, Ambegaon (Bk), Pune.	2000/-
	Mr. P. S. Kulkarni	Laboratory Practice - II		1600/-

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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017-18	‘Awareness Program on Flip Classroom’	-	6 th July 2017	15	-
	A national level SPPU sponsored QIP - ‘Two Days Workshop on Embedded Control Systems for Power Electronic Devices’	-	27 th & 28 th December 2017	(40 outside college + 11 NBNSOE staff)	-
	Two Days State level workshop on Computational Fluid Dynamics and Its Industrial Applications.	-	29 th and 30 th January 2018	41	-

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	Date and Duration (from – to)
Workshop on " Student-Centered Teaching Learning Practices"	1	10 to 11th Aug 2017
Train the Trainers	25	5th to 10th June 2017
Train the Trainers	12	19th to 24th June 2017
Train the Trainers	16	11 th -13 th Dec 2017
Two Week ISTE STTP on Electric Power System	1	3rd to 15th July 2017
‘Two Days Workshop on Embedded Control Systems for Power Electronic Devices’	11	27 th - 28 th Dec 2017
A 3 days International Conference on Power Systems – Tutorial Sessions	02	21 st -23 rd Dec 2017
8th National Power Electronics Conference (NPEC) 2017	01	18 th -20 th Dec 2017
A 2 day National Level workshop on Distributed Generation	01	15 th -16 th Dec 2017
A 1 day session on Condition Monitoring and preventive maintenance on Transformer	02	

organized by IEEE Power Engineering Society at PVGCOET		29 th July 2017
Electrical Contractors Association, Exhibition	01	29 th July 2017
SPPU Faculty Orientation Program (TE E&TC-2015 course)	4	14-16 th July 2017
Workshop on Medical Internet of Things (IOT)	1	27-30 th July 2017
Faculty development program on Image Processing and Pattern Recognition	1	27 th Nov-1 st Dec 2017
Summer School on Speech Signal Processing	2	8-12 th July 2017
Short Term Training Program (STTP) on Effective Thesis writing and research methodology for Researchers/PhD aspirants	12	31 st Oct-4 th Nov 2017
Faculty Development Program on Embedded Control of Power Devices	04	27-28 th Dec 2017
Workshop on Image Processing	01	14 th Dec 2017
Workshop on "LATEX"	01	27-28 th Dec.2017
Syllabus detailing workshop of CCA and Robotics	01	27 th Feb 2017
Workshop of Intellectual Property rights by My crave Consultancy	01	11 th Oct 2017
Implementation workshop of STP-III	01	16 th June 2017
Workshop for STP-I Co-ordinates	01	1 st June, 2017
Implementation workshop of STP-I	01	12 to 14 th June 2017
Syllabus detailing workshop of I Hydraulic and pneumatic	02	29 th Dec 2017
Syllabus Implementation workshop of RAC	01	20 th March 2017
Research Areas In Materials And Their Processing	01	6 th Feb. 2017
FDP on Engg Metallurgy	01	11-13 Dec 2017
FDP on CAM using Edge cam	01	17-18 July 2017

FDP Two-day CEP Course on Innovations in Sheet Metal Forming	01	3 rd -4 th October 2017
Seminar on Automation Studio	01	6 th Oct-2017
Summer School on Speech Signal Processing	02	8-12 th July 2017-5 days
STTP on MS & EM	01	26-30 th Dec 2017
Two days National Level workshop on “Advances in Smart Grid Technologies”	04	11 th -12 th Jan 2018
Workshop on Video Processing: Opportunities and Challenges	02	29 th Jan 2018
Workshop on Optimization Techniques for Engineering Applications	01	8-9 th Jan 2018
Electrical Contractors Association, Exhibition	05	7 th - 8 th Sep 2018
SPPU supported Revised BE IT (2015 Pattern) Syllabus Orientation – Semester –I	03	14 th June 2018
Syllabus Implementation workshop of CAD CAM and Automation	01	18 th July 2018
Syllabus Implementation workshop of CCA and FEA	02	7 th July 2018
Syllabus detailing of workshop of FEA (BE 2015 Course)	01	28 th Feb 2018,
Syllabus detailing of workshop of AMP (BE 2015 Course)	01	7 th Feb 2018
Syllabus detailing of workshop of Automobile Engineering (BE 2015 Course)	01	27 th Feb 2018
Syllabus revision of BE Mechanical (2015 Course)	01	29 th Jan2018
IAC	01	3 rd -4 th May 2018
Syllabus detailing workshop of Industrial Engg	01	23 rd Feb 2018
Syllabus detailing of workshop of FEA	01	28 th Feb 2018

Seminar on MS & EM		01		8-9 th June 2018	
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):					
2017-18					
Teaching			Non-teaching		
Permanent		Fulltime		Permanent	
01		11		Fulltime/temporary	
				06	
2018-19					
Teaching			Non teaching		
01		14		3	
3		3			
6.3.5 Welfare schemes for					
Teaching		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			
Non teaching		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			
Students		SWD –scholarship/freeship received for category students (for SC,ST,NT,VJNT,OBC,SBC) DTE- Economically Backward Class students- EBC Scholarship (for OPEN students)			
6.4 Financial Management and Resource Mobilization					
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)					

Yes, the institute conducts internal and external financial audits yearly (at the end of financial year)

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/ Grants received in Rs.	Purpose
Nil	Nil	-

6.4.2 Total corpus fund generated Nil

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	SPPU/AICTE/NAAC	Yes	HOD/PRINCIPAL
Administrative	Yes	SPPU/AICTE/NAAC	Yes	HOD/PRINCIPAL

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

For First year students Induction Program is arranged at the start of the academic year. On the first day Parents are also invited along with students. On this day parents are informed about all the activities and initiatives taken by the institute.

For every class, Teacher Guardian system is implemented, where approximately 30 students are allotted to one faculty member. Teacher Guardian co-ordinates with the parents regarding academic status of the student.

Institute conducts Parents Teachers meetings once in a year.

6.5.3 Development programmes for support staff : Four accounts staff members undergone training related to GST rules and new Talley software (ASPIRE) in the year 2017-18.

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

- Reformation of Feedback forms and its analysis
- Start of Study Forum activities at all departments
- Reformation of Course objectives as per Industry Requirements and revision of syllabus

6.5.5

- 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 2018-19				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2018-19	Study Forum Activity on Internet of things at Computer Engineering Department	5/10/2018	From 10.30 am to 12.30 pm	25 students + 3 staff
2018-19	Study Forum Activity of Electrical Engineering on Geo Coordinate mapping of Prayaja City Feeder	5/10/2018	From 10.30 am to 12.30 pm	34 students + 12 Staff
2018-19	Study Forum activity of Mechanical Engineering Department - Seminar topics for third year and project topics for last year, Advanced materials and material processing	03/10/2018	10 am – 11.30 am	26
2018-19	Case study discussion on“Cryptography” under study forum of IT	3/10/2018	9am – 10.30 am	79

CRITERIONVII –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-to)	Participants
			Female Male
Street Play: Women empowerment, Education system		21 st September 2018	Male +Female = 50
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:			
Sr. No.	Title of the Program	Duration of program	No. of Participants
1	One day visit to Loni Kalbhor for Swachhta Dindi	21 st June 2017	82
2	Tree Plantation at Gorhe(Bk.),Tal-Haveli,Dist-Pune	30 th June 2017	92
3	Special camp at Gorhe (Bk.)	15-21 st January 2018	56

4	Tree Plantation at Ramtekadi, Hadapsar, Tal-Haveli, Dist-Pune	20 th July 2018	124
5	Seminar on Segregation of plastic waste and recycle management	11 th September 2018	106
6	Public awareness for Eco-friendly Ganesh idol immersion campaign, Vadgaon (Bk.)	18 th September 2018	75

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Wash room	NIL
Provision for lift	Yes	
Ramp/ Rails	At ground floor of NBNSOIE building	
Braille Software/facilities	NIL	
Rest Rooms		
Scribes for examination	NIL	
Special skill development for differently abled students	NIL	
Any other similar facility	NIL	

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year - As the college is situated in Pune city (semi urban area), it becomes easy for students to undergo internship in various industries, arrange industrial visits / expert lectures and to opt for sponsored projects. They can join foreign language courses, as well as training programs for the preparation of GATE, CAT, GRE and IELTS examinations.

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders : College has code of conduct for teachers, nonteaching staff, students, Principals and the stake holders of the college.

Title	Date of Publication	Follow up (maximum 100 words each)

7.1.6 Activities conducted for promotion of universal Values and Ethics –

http://cms.sinhgad.edu/nbnssoe/NSS_Report.pdf

Activity	Duration (from-----to-----)	Number of participants
‘Public Interaction Awareness’ program was organized in Pune by STES’s NBN Sinhgad Technical Institutes Campus, Ambegaon (Bk.), Pune in association with Spit free India campaign by	24 th August 2017	23

“SAARE JAHAN SE ACCHA FOUNDATION” of Pune city		
“SNEHWAN” Orphanage visit to NBNSTIC	24 th August 2017	38
NSS-NBNSTIC had organized a blood donation camp on the occasion of “Foundation Day of NSS”	24 th September 2017	42
Special camp at Gorhe (Bk.)	15-21 th January 2018	
Kerala Relief Fund	21 th -23 rd July 2018	02
Blood donation camp in collaboration with SKN Hospital, Pune.	25 th September 2018	104

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

1. Use of online attendance and feedback monitoring system
2. Use of both sides of papers
3. Energy Audit of the building and instructions to students for switching off lights and fans when not required
4. Application submitted to SPPU for installation of 5KW rooftop, Solar power plant

7.2 Best Practices

Describe at least two institutional best practices

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

1. **Conduction of Student Training Programs –STP 1, STP 2, STP 3, STP 4 and STP 5**
2. **Conduction of co-curricular and extra-curricular activities under Sinhgad Students Council Clubs**

In keeping with the institution’s vision of producing not only good engineers but good human beings too, college has always given priority to all round development of students. For this, there is Student Training Program activity under which training on soft skills development, Group Discussion and personal interview techniques, Engineering Research and its publication and one value addition program on latest technology based on students’ choice are conducted from SE to BE level.

Web link for STP :

1. Mechanical: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/mechanical-engineering/vap.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/mechanical-engineering/vap.aspx)

2. Computer: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/computer-engineering/vap.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/computer-engineering/vap.aspx)

3. E&TC: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/electronics--telecommunication-engineering/value_added_programs.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/electronics--telecommunication-engineering/value_added_programs.aspx)

4. Electrical: [http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-\(bk\)/departments/electrical-engineering/value_added_programs.aspx](http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/electrical-engineering/value_added_programs.aspx)

3. **Use of ERP(GEMS) for leave management, Feedback from students about faculty, profile management of students and staff and for study material release in the year 2017-18**
<http://websites.milonic.com/sinhgad.info>

4. **Collection of Stakeholders' feedback through Google forms in the year 2018-19**

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

In keeping with the institution's vision of producing not only good engineers but good human beings too, college has always given priority to all round development of students. For this, there is Student Training Program activity under which training on soft skills development, Group Discussion and personal interview techniques, Engineering Research and its publication and one value addition program on latest technology based on students' choice are conducted from SE to BE level.

College has an active NSS cell under which various social activities are conducted to inculcate an awareness of the value of a holistic education and an empathy for the less privileged sections of society. College also has Sinhgad Students Council technical and non technical clubs such as Engineering clubs, Media club, Photography club, Training and placement club etc under which various activities like trainings/competitions are conducted throughout the year. Institute has Sinhgad Overseas Cell under which a guidance on educational opportunities in abroad is provided to the students.

Mrs. Pooja P. Kulkarni
IQAC Coordinator

Dr. Y. P. Reddy
Principal / Director