YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	SINHGAD TECHNICAL EDUCATION SOCIETY'S NBN SINHGAD TECHNICAL INSTITUTES CAMPUS,AMBEGAON(BK.),PUNE411041
• Name of the Head of the institution	Dr. Shivprasad P. Patil
• Designation	Director / Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02024355041
• Mobile No:	9822917009
• Registered e-mail	nbnssoe@sinhgad.edu
• Alternate e-mail	shivprasad.patil@sinhgad.edu
• Address	Survey No. 10/1, Ambegaon (Bk), Off Sinhgad Road
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411041
2.Institutional status	
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**
• Name of the Affiliating University	**Savitribai Phule Pune University**
• Name of the IQAC Coordinator	**Mr. Manoj Madhusudan Joshi**
• Phone No.	**02024355042**
• Alternate phone No.	**02024100000**
• Mobile	**9922997919**
• IQAC e-mail address	**iqac.nbnstic@sinhgad.edu**
• Alternate e-mail address	**nbnssoe@sinhgad.edu**
3.Website address (Web link of the AQAR (Previous Academic Year)	http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-%28bk%29/institute-details.aspx
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://drive.google.com/drive/folders/1Jutd2TXeSzU3o2kqG4PJJgpwljIk5V6g?usp=sharing

5.Accreditation Details

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

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

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	**NIL**	**NIL**	**NIL**	**NIL**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of	View File

IQAC		
9.No. of IQAC meetings held during the year	`04`	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	`Yes`	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	[View File](#)	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	`No`	
• If yes, mention the amount		

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

`1 Blood donation drive(Dated 24.01.2021) Blood donation drive in association with Love Care Foundation and NSS NBNSTIC.65 no. of participants donated blood. 2.Parents Meet(Dated 03.04.2021) Online Parents Meet for Academic Year 2021.200+parents attended this meeting. 3 Inaugural function of Centre of Excellence in Automation & Mechatronics Online Inaugural function of Centre of Excellence in Automation & Mechatronics in association with B&R Automations Private limited.214 participants attended this online inaugural function. 4 Online Alumni Meet(Dated 10.04.2021) Online Alumni meet for students.170+ students attended this alumni meeting. 5 National Conference on Cognitive Computing (NCCC-2021): Organized by NBN Sinhgad School of Engineering, Pune on 6th to 8th June, 2021.Conference focus was on latest trends on smart computing, new trends in smart city, IoT, robotics, AI, Augmented Reality and Virtual Reality, e-Vehicles, security and surveillance, smart manufacturing and industrial automation. In connection with this conference NBNSTIC provided a platform for young engineers to show-case their project work on hardware as well as software things in the field of engineering and management.`

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

Plan of Action	Achievements/Outcomes
1 Blood donation drive	Blood donation drive(Dated 24.01.2021) Blood donation drive in association with Love Care Foundation and NSS NBNSTIC.65 no. of participants donated blood.
2.Parents Meet	Parents Meet(Dated 03.04.2021) Online Parents Meet for Academic Year 2021.200+parents attended this meeting.
3 Inaugural function of Centre of Excellence in Automation & Mechatronics	Online Inaugural function of Centre of Excellence in Automation & Mechatronics in association with B&R Automations Private limited.214 participants attended this online inaugural function.
4 Online Alumni Meet	Online Alumni Meet(Dated 10.04.2021) Online Alumni meet for students.170+ students attended this alumni meeting.
5 National Conference on Cognitive Computing (NCCC-2021)	Organized by NBN Sinhgad School of Engineering, Pune on 6th to 8th June, 2021.Conference focus was on latest trends on smart computing, new trends in smart city, IoT, robotics, AI, Augmented Reality and Virtual Reality, e-Vehicles, security and surveillance, smart manufacturing and industrial automation. In connection with this conference NBNSTIC provided a platform for young engineers to show-case their project work on hardware as well as software things in the field of engineering and management.

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

- Name of the statutory body

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

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21.Link is not yet open and data will be submitted as link opens.	**22/01/2020**

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**06**

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**2212**

File Description	Documents
Data Template	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**1412**

File Description	Documents
Data Template	[View File](#)

2.3	**627**

Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	[View File]

3.Academic

3.1 Number of full time teachers during the year	**90**

File Description	Documents
Data Template	[View File]

3.2 Number of Sanctioned posts during the year	**104**

File Description	Documents
Data Template	[View File]

4.Institution

4.1 Total number of Classrooms and Seminar halls	**42**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**289.73**
4.3 Total number of computers on campus for academic purposes	**431**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

During the pandemic situation due to Covid-19 , institute administration and staff have taken appropriate efforts in Teaching learning process, quickly adopted to various online teaching platforms like zoom, google meet, Microsoft Teams and have overcome

the panicky situation created during lockdown. Use of online meetings to deliver the syllabi, use of power point presentations, use of Virtual laboratories created by premier engineering institutions, online attendance, use of animations, annotation tools were different means and methods adopted by faculties to reach up to the students effectively. Google spreadsheets were used to keep records of online attendance.

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. Timetable for various classes is prepared by the timetable in-charge. Master timetable, Individual timetable, laboratory time table are prepared. All these Timetables 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.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://drive.google.com/drive/folders/1Jutd 2TXeSzU3o2kqG4PJJgpwljIk5V6g?usp=sharing

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Academic Calendar is prepared at the beginning of the term for deciding upon overall activities. Usually, Principal and HoD's of various departments meet and decide upon academic calendar. Departmental time table is prepared in line with this academic calendar. Attendance of students is registered. Subjectnotes, PPT, Assignments, Multiple choice question bank, Animations, Videos, NPTELVideos, Quizzes from Vlab sessions were made available to students through Microsoft Teams app.

Attendance records, Assignment completion status, Internal test performance were kept in soft version and Microsoft teams, google spreadsheets were used to complete these activities for execution and record keeping purpose during this year 2020-21 as there was lockdown due to covid-19 pandemic throughout this academic year. All activities were effectively implemented using online platforms initially zoom, google meet and later on strictly adhering to Microsoft Teams platform.

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, VAP, 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. This year due to the unprecedented Covid-19 pandemic situation,from March-2020,after lockdown, lot of reforms were required to be carried out time to time and in order to cope up with the situation, online sessions for students were carried out following work from home norms and online lectures were carried out initially through Zoom, Google meet, Cisco webex platforms and later it was decided to use Microsoft teams platform uniformly where assignments, online quizzes sharing of

study material was carried out, online attendance was recorded. Practical sessions were completed using V-lab. wherever the laboratories were developed to facilitate students wherein the simulation of the practicals was carried out.Oral examinations were also carried out using online tool only and the recording of these oral examination was also kept as records.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://drive.google.com/drive/folders/1cD1ToJ6rBcUASGXQnMxqczl3fKINW3pf?usp=sharing

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

06

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

08

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

2212

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

3760

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

IQAC organized programs relevant to the curriculum.

- **Professional Ethics**
- **Gender equality**
- **Human Values**
- **Environment and Sustainability**

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

6

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	**No File Uploaded**
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1106

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows	B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://drive.google.com/file/d/1mUiXtaYRrA_5V3jqOQ7-7FXDXrMTVqHJ/view?ths=true

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

600

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

860

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Programs adopted for advanced learners: 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 thestudents 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. For e.g. B & R Automation

Programs adopted for slow learners: 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. IQAC also takes review of result analysis as well as feedback and suggests corrections needed. This year due to the unprecedented Covid-19 pandemic situation, from March-2020,after lockdown, lot of reforms were required to be carried out time to time and in order to cope up with the situation, online sessions for students were carried out following work from home norms and online lectures were carried out initially through Zoom, Google meet, Cisco webex platforms and later it was decided to use Microsoft teams platform uniformly where assignments, online quizzes sharing of study material was carried out, online attendance was recorded. Practical sessions were completed using V-lab. wherever the laboratories were developed to facilitate students wherein the simulation of the practicals were carried out. Oral examinations were also carried out using online tool only and the recording of these oral examination was also kept as records.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2212	104

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Project based learning, assignment of mini projects, skill development projects ,participation in internships, participation in Hackathon, conferences, competitions like BAJA,SUPRA,GO KART are some student centric methods which are employed in the institution.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

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

All classrooms are equipped with LCD projector, Wifi connectivity. So faculties teach using the basic chalk and blackboard method and show PowerPoint presentations, animations, educational videos, NPTEL lectures, V lab sessions etc.as an effective teaching learning methodology.

In this academic year 2020-21, all the classes including practicals were conducted in the form of online classes. V-Lab. sessions were conducted for most of the subjects wherever these virtual lab practicals were developed by premier institutes like IIT, NIT etc. Here is a brief review of facilities available in the institute.Almost all the teachers from all the departments use ICT tools for effective teaching-learning process.As a sample example information is given .

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

80

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

104

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

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

12

File Description	Documents
Any additional information	**No File Uploaded**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

410

File Description	Documents
Any additional information	**No File Uploaded**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The 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, 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 organized various online 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 fulfilment 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. During Covid-19 Pandemic lockdown from March 2020, all the above mentioned activities were carried out in online mode.

File Description	Documents
Any additional information	View File
Link for additional information	**Nil**

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

and efficient

Evaluation of student performance is mainly based upon attendance, internal unit test marks, track record of student at university examination etc. Minor grievances were received by the faculties about internal examination evaluation but these were addressed by the concerned subject teacher by showing the solution and marking scheme. Most of the times, transparency is maintained and paper solution and marking scheme are shown to the students to make them understand where they have gone wrong.

Usually the test results are declared within 3-4 days after the examination and the answer papers are shown to the students. Teacher guardian (Mentor) assigned to the student ensures that the student performance is conveyed to their parents.

At times when the students were suffering from illness and especially during this Covid-19 pandemic,retest was conducted for students those who applied stating proper cause strictly adhering to govt.and university directives and hence there were hardly any complaints.The internal re examination was conducted in just 2-3 days after the first internal examination.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://drive.google.com/file/d/1UkLdHkGBaDj pGTR2HUyXDmUCdUxVUc4l/view?usp=sharing

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Teachers and students are aware of the stated programme and course outcomes of the programmes offered by the institution. Faculties usually explain PO,PSO,CO,CEO etc. from the syllabus at suitable juncture and their mapping also is well explained during online/offline lectures.

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).

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	https://docs.google.com/document/d/1esSHUyK1BFH55Mj63cNo--2PNfo07ZKh/edit?usp=sharing&ouid=11212277514747693OOO2&rtpof=true&sd=true
Upload COs for all courses (exemplars from Glossary)	**No File Uploaded**

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Usually PO,PSO,CO,CEO are indicated in the syllabus developed by Savitribai Phule Pune University, Pune and accordingly theoretical syllabus and associated experiments are conducted by the faculties, Teaching plan, laboratory plan are in accordance with the academic calendar and time table and hence all this set process helps to attain the PO, CO. All the documents viz. teaching plan, laboratory plan, course file etc. are checked by the head of the department and Principal at the beginning of the term and periodically to ensure the attainment of Programme outcomes and course outcomes.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://cms.sinhgad.edu/sinhgad_engineering_institutes/nbn-ssoe,-ambegaon-(bk)/departments/mechanical-engineering/student_achivements.aspx

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

605

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

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://docs.google.com/spreadsheets/d/1EZdgbY_TL0fpJt0M-6jVIK_DxjHk Yde3LfJACon2Z9M/edit?usp=sharing

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.6 (In Kind)

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	**No File Uploaded**
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

03

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

11

File Description	Documents
Report of the event	**No File Uploaded**
Any additional information	**No File Uploaded**
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

27

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in

national/ international conference proceedings during the year

92

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	**No File Uploaded**

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Extension activities students are carried out especially by National Service Scheme (NSS) cell.Many activities are conducted where initiatrive to conduct these events is also taken by NSS representatives.List is given.It is found that students take deep interest in this social work and need no stimulus .

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

1

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community

and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

20

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1390

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

507

File Description	Documents
e-copies of linkage related Document	**No File Uploaded**
Details of linkages with institutions/industries for internship (Data Template)	[View File](#)
Any additional information	[View File](#)

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	[View File](#)
Any additional information	[View File](#)
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	[View File](#)

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institute provides good and adequate infrastructural facilities for healthy teaching- learning environment as per the norms of AICTE and affiliating SPPU. All laboratories are equipped with necessary furniture, fixtures, equipments and good laboratory practices.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

The institute has an open air theatre having a capacity of 1500 for hosting various cultural activities. It is equipped with a Dias, public address system and LCD projector. Every year a mega cultural event named 'SINHGAD KARNDAK' is organized to encourage student's participation in extracurricular activities. Further students are also encouraged and supported to participate in various inter-college competitions like Purshottam Karandak, Firodiya Karandak etc. They are provided with the required infrastructure for preparation of the same.

The institute motivates the students for various extra-curricular activities. Facilities for the same are as follows: The institute has a centralized cricket ground which is utilized for cricket and competitions. It also has a common playground for various outdoor games including kho-kho, handball, throw ball, volleyball, football etc. It has a facility for various indoor games such as chess, table tennis and carom. Gymnasium facility for boys and girls is available in the campus and in hostels.

Yoga activities are organized, for which the required space is provided in campus.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

42

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

42

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

00

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library is automated using Autolib software. Book issued and rececived from students by infrared reader facility.

The college has central library anddepartmental libraries. There is an Open Access Catalogue for students and staff. The reading room is well furnished to accommodate students at a time and provides conducive environment for study. Exclusive reference section is available in the library. A visitor's book is maintained for students and staff.New arrivals of books and journals are displayed on separate stands and racks. Each student gets ? Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. Visitors are also required to sign noting the time of entry and exit. CCTV cameras are installed in the library for strict surveillance. Web OPAC (Online

```
Public Access Catalogue) facility is made available through SLIM21
Library Management Software to know the bibliographical details
about the collection. One separate node is made available in the
Central Library for OPAC facility. And as it is a Web OPAC, user
from any location can search the library collection. Search by
giving Title, Author,
```

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	B. Any 3 of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

00

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

38

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

- As per the norms of AICTE and SPPU, the necessary computing facilities have been provided by the institute. Latest computer configurations and necessary licensed software are available in the institute. Institute also uses the system software like Microsoft Windows, Ubuntu, Fedora-19 and open source software like Scilab, NS-2, C, C++, JAVA, .Net etc.
- For the proper and timely dissemination of important information and notices to the students the institute makes effective use of various services provided by Google like Google groups, Google Drive, Google spreadsheets etc. Institute also makes use of SMS facility for the same.
- To achieve this purpose, the institute has formed the separate Google groups of students as per their department / specialization and academic year batch.
- Google groups of faculty members are also formed department wise to facilitate the smooth flow of academic information amongst faculty members. WhatsApp groups of faculty members and students are also formed for circulation of important and urgent information.
- To support the 24x7 power supply for flawless implementation of all academic activities/events and tasks, the institute also uses Uninterrupted Power Supply (UPS) and Diesel Generator Backup (DG Backup).
- STES has also designed an extremely appealing and informative website www.sinhgad.edu for communicating with the outside world. Here, the separate links are provided for each institute/college/school under the STES umbrella.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

431

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution	**C.10 - 30MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

98.78

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

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Mechanisms for Maintenance: Institute used to take due care of maintenance andupkeep of infrastructure including electrical, computers, mechanical machines, facilities, and furniture etc. in following ways: Classrooms, Laboratories, Tutorial rooms, Seminar Hall etc. are cleaned on regular basis and this activity is monitored by the departmental technical assistant. Librarian and supporting staff maintains the library. The institute has separate team of gardeners that look into the maintenance of sports complex. The institute has a team of qualified technical staff for maintaining computers and networking facilities. Few members are identified for the same and it is ensured that theyare available at short notice. Faculty in-charge and technical assistant lookafter the maintenance of respective laboratory. The funds available from budgetare utilized for repair of breakdown items. Dead stock verification isscheduled on regular basis to review equipment status. Estate office carries out maintenance of infrastructural facilities. Housekeeping services are regularly executed and monitored by estate office. Electrical maintenance is carried out from expert electrician staff of our institute. The team of lab technician, lab assistant and system administrator takes care for maintenance of electrical instruments, electronic equipment and mechanical machines. The institute has a carpentry section which takes care of minor repairs (sanitation, carpentry) required on a day to day basis. Team of skilled and semiskilled persons look after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting carpentry, plumbing, gardening and house-keeping work. Mechanisms for Utilization: Classrooms and Tutorial Rooms are utilized as per the prescribed time table of the departments. Laboratories are utilized for lab sessions as well as the various hands on workshops, competitions, and online examinations etc. Seminar Halls are utilized for various student activities, seminars and guest lectures. Sports complex is utilized by all the students for various outdoor games. The following facilities of the library are utilized by the students and faculties:

Bank facility for needy students and Book reservation facility for faculty. Access to Digital Library NPTEL video lectures are made available to students

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1427

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	[View File](#)
Upload any additional information	[View File](#)
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	[View File](#)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

10

File Description	Documents
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	[View File](#)

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

565

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

565

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

247

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

15

File Description	Documents
Upload supporting data for student/alumni	**No File Uploaded**
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government

examinations) during the year

13

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Due to constraints imposed by the government upon educational institutes activities could not take place.

Yes, as per the UGC act 1994 (40/2/B) Students Council is established in year 2012.. The student's council(SSC) consists of one faculty member from each department, Class Representatives (CRs/LRs) from all departments. All these members are selected / elected every year by the guidelines given by STES.

The objectives of forming student council are to:

- Acquire leadership qualities
- Learn event managements
- Interact with Institute management to resolve difficulties
- Organize institute level / department level events
- Improve academics, co-curricular and extra-curricular activities
- Motivate the students for teamwork.
- Activities of Students Council are to:
- Motivate students to participate in technical and soft skill events
- Organize yearly society level activity SINHGAD KARANDAK
- Celebrate Independence Day, Republic Day, Teacher Day & Engineers
- Day.
- Organize blood donation camp, tree plantation, voter's awareness, road
- Safety programs etc.
- To organize University level activities.
- Selection of SSC Members
- 1) Circular for application to various posts of Sinhgad Student Council.

2) Enrollment and form filling

3) Short listing of students from applications for Group discussion.

4) Personal interview for various posts from selected candidates from group

discussion.

Funding Details

- There is no funding from any Government body.
- Student registration fees and remaining fund is supported by STES Management.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

0

File Description	Documents
Report of the event	**No File Uploaded**
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

College has registered association of Alumni. The Registration number of association is MH/1123/2017/Pune and Registration Date is 10/08/2017. The Alumni Association of NBN Sinhgad Technical Institute Campus allows more frequent and widespread interaction between alumni, Students, Staff members and the Management. With the proliferation of the association, alumni all over the world can stay in touch. Recognize academic, professional and other achievements of the alumni and the students, and to institute suitable awards for them.

We have a strong network with alumni through 'registered alumni association' in the institute. Alumni meetings are conducted annually in departments and in the institute. Institute arranges lectures, seminars, workshops, and conferences by alumni. The IIIC has alumni as a committee member. First year induction program and Techtonic are the events where alumni member and former faculty are invited as guests and judges. Former faculty members are invited for conducting guest lectures, participation in seminars and conferences as reviewers or session chairs. We also support our alumni for their higher education by providing them LOR (letter of recommendation).

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**A. ? 5Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision

We are committed to produce not only good engineers but good human beings, also.

Mission

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.

Distinctive Characteristics of Mission

Sinhgad Technical Education Society (STES) was established in the yearcc 1993 with an objective to provide quality education from school to Post graduation programmes in all disciplines. The location of these campuses is in pollution free, green and clean environment conducive to learning. It enjoys the services of a vast intellectual capital that comprises of eminent faculties, drawn from the field of education and industry. The Institute has hand-picked eminent personalities from the field of education and industry as

members of the management committee who are committed to provide necessary guidance on academic and professional fronts from time to time. To serve the interest of the student community as well as the corporate

and industrial sectors, institute maintains a close liaison with the industry and other leading organizations. Institute has its own separate placement cells along with a centralized placement cell established by STES in Pune campus. There are experts from different fields contributing their valuable experiences to build the Institution as a place of learning and discipline.

STES organizes many events in order to achieve excellent academic and physical environment conducive to learning, creativity and technology transfer. One of them is Sinhgad Neon - Cultural Fest which is conducted every year. It provides the platform to the students, where they exhibit their talent and skills. Under the "Neon" cultural fest, particularly for management students we have the event called Spectrum. The events aim is to have participation from management students. Events such as AdZill, Investors Gala, and Shark Tank are organized. Similarly Tech Drill is also a management event organized for computer students under which Java Programming Contest and Project Competition called "Prakalp", and other similar events are organized. This serves as a platform to showcase talent and give the students an opportunity to prove their mettle. A zealous avenue, where classic creativity, innovative intellect and a plethora of skill sets would be challenged to make it happened.

The Institute has correctly understood the importance of the sports and extracurricular

activities with academics for the holistic development of the students. Institute has paid special attention to all-round development of the students by ensuring their active participation in the activities like Sports, Culture, and Recreation etc. The excellent sports facilities, both out-door and in-door are available at each campus. STES has maintained an excellent cricket ground of international standards and also well-equipped Tennis Courts. This facility is utilized by the institute. STES also organizes a sports event called SINHGAD KARANDAK in which sport competitions for inter and intra college students are held. The institute has student's population from various parts of India which makes cross-cultural exchange very interesting. The students are also very well aware of the fact that music is the Universal language of mankind. The Sinhgad Cultural Centre which is common to every institute, nurtures

and nourishes the cultural activities which include music, drama, and dance etc. to help students to understand the rich Indian culture. It also holds various cultural and sports inter-college competitions throughout the year which culminates into "Sinhgad Karandak". Renowned artists are invited from various fields whose performances give immense pleasure and inspiration to the students. Institute also recognizes its role towards the society and also gives importance in imbibing the same qualities in the students. For this, institute organizes Blood donation camp, Organ Donation Awareness Sessions, Celebration of earth day, creating awareness among faculty and students regarding traffic, tree plantation ceremony and conducting green marathon. Under the corporate social responsibility faculties are arranging students visit to different NGOs who are involved in social services. These are the some efforts taken by the institute to create social awareness among the faculties and students. Some of the activities carried out by the institute in this regard have been mentioned in Criterion - III, Point No. 3.6.1. All these events are organized by keeping in mind the mission statement of the institute, for overall development of the students.

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

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

The role of top management, Principal and faculty in design and implementation of quality policy and plans are detailed below:

The management sets objectives in consonance with the quality policies and shares its vision through periodic Governing Body (GB), Academic Monitoring Committee (AMC), and Local Management Committee (LMC) meetings. Management hires competent, dedicated individuals to implement teaching learning process effectively to realize the vision and mission of the institute. Managements focus is always on creating an atmosphere that is fair, transparent, motivating and conducive to faculty and staff to realize their potential. It always tries to make financial provisions to provide infrastructure, facilities suitable for effective services and to cater to further requirements as per growing needs. They regularly interact with the Principal to review the implementation process of the quality plans.

The Management committees frequently take overview of various academic functions, administrative functions and other functions ongoing in the entire organization.

The Principal shares the vision of the management and decisions taken by the

management in the regular meetings conducted with Deans and heads for academics. The Principal plays a key role in making communication in between the top management and the lower management. He actively plans the various activities as per the expectation and vision of top management. He also ensures through his Dean, Associate Director and Departmental Heads,

the perfect implementation of the planned activity.

The Principal intends to develop and ensure effective conduction of educational programs and promotes the improvement of teaching learning process in the college. He also monitors the various activities as and when required, and suggests some controlling measures. He always designs the feedback system to ensure the complete achievement of the institute goals. He always believes and tries to delegate the authority to Dean and HoDs with enough freedom to take the decisions regarding institutes good interest. He always tries to conduct such things which support the quality policies of the institute.

The Dean MBA and HoDs report to the Principal / Director (NBNSTIC). They are working closely with the course coordinators and class coordinators. They decide the course coordinator and class coordinator as per the capability of the faculty. This responsibility is given on rotation basis for each academic year.

They all are responsible to plan the entire academic year's activities. All are appreciating the active participation from the faculties in preparing the academic calendar. All concern heads take the particular plans from the respective faculties well in advance and provide their valuable inputs / suggestions for the betterment of the same. They verify the plan with the actual performance and if any difference is found then it is brought to the notice of the concern person. In between they give the feedback and provide the equal opportunity for the improvement.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Yes, the Institute has a formally stated quality policy. Quality Policy is aimed at achieving excellence in Technical Education, by acquiring recognition at national and International level. The quality policies are

- **To work for holistic development of students.**
- **To provide physical environment conducive to learning, creativity and technology transfer.**
- **To perpetuate transparent and joy at work culture.**
- **To develop an Internationally recognized research and technology center. It has been formed by top management, after discussions with Principal and all the stakeholders. These policies have been framed in line with the vision and mission of the institute. The Strategic plan and action plan are designed in such a manner that this quality policy is driven and deployed during every process. The Institute undertakes various activities to fulfill the quality policies by the way of**
- **Providing excellent Infrastructure facilities.**
- **Inducting faculty members having sound knowledge in the field of Science and Engineering and making special efforts to retain them.**
- **Developing excellent teaching learning process by establishing cohesive bond between students and faculty.**
- **Encouraging the faculty for improvement of qualifications.**

All the activities are monitored by the committees that meet periodically to decide and discuss various quality issues. The top management has formed internal Academic Monitoring Committee (AMC). AMC visits regularly to the institute to monitor quality issues. This committee verifies the course file, lesson plan, made by the faculties and provides suggestions, if any. It also takes the online feedback from the students and suggests the areas if improvement to the faculties. Principal and HoDs takes the review of the suggestions given by committee for the effective accomplishment of

the outcomes. These are fine adjusted and determined after discussions with the Principal, HoDs under the direction of top management.

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

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Leadership is involved in deciding the quality policy which is aimed at achieving excellence in technical education, with recognition at national and international level. For this, management is committed to provide excellent infrastructure facilities, employ highly qualified and experienced faculty, encourage the faculty for improvement in qualifications, promote the industry institute interaction, create environment for research and development activities, Consultation work and getting industry-sponsored projects for students. The leadership of institute is always striving for these achievements through their policies. Taking into consideration the preceding year's performance in terms of academic results, placements, research publications, funded projects, etc. appropriatecorrective steps are taken in consultation with the people involved in achieving the excellence.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the Institution webpage	**Nil**
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support	**A. All of the above**

Examination	

File Description	Documents
ERP (Enterprise Resource Planning)Document	[View File](#)
Screen shots of user interfaces	[View File](#)
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	[View File](#)

6.3 - Faculty Empowerment Strategies

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

Institute takes a lot of efforts to enhance the professional development of its teaching and non-teaching staff.

Teaching Staff

- **Sponsoring teaching and non teaching staff for attending workshop, seminar and conferences at national and international level.**
- **Providing duty leaves and financial support to faculty and staff for attending workshops, seminars and national and international conferences.**
- **The Institute has Memorandum of Understanding (MoU) with Universities in Denmark, for e.g. Alborg University. The scheme entitled 'Erasmus Mundus', under which faculty can pursue doctoral programs at that university. The Institute sponsors faculty for these programs.**
- **Motivating faculty to take membership of known technical and professional bodies like CSI, IETE, ISTE, SAE**
- **Encouraging faculties to do their research through various R&D funding**
- **Agencies such as BCUD, DST and ISRO etc.**
- **The Institute organizes Teacher Advancement Programs aimed towards improving the soft skills of faculty to enhance their overall performance.**
- **Enhancing and improving their teaching skills by the use of modern teaching aids, use of online resources like NPTEL, Harvard EDX courses, spoken tutorial project of IITB, etc.**

Non-Teaching Staff

The Institute arranges need based training programs for non teaching staff for skill improvement and permits them to attend similar programs at other institutes. Programs arranged as like Excel training, How to write application, letter writing etc. They are encouraged to participate in the organizational technical events.

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

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

00

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

09

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

88

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Annual self-assessment for the performance based appraisal system is adopted by the institute. Hence it is ensured that information on multiple activities is appropriately captured. Online link is provided to the teaching staff for the fillup the activities done and for the non teaching staff hard copy of appraisal form is provided.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Institute conducts Internal External Financial Audit regularly . Yes, the institute conducts internal and external financial audits yearly (at the end of financial year)

1) External Audit :-

Quarterly audit is conducted by external agency appointed by the parent body of STES. Half yearly and yearly Audit Report gets prepared on the basis of verification of information provided from the Accounts Section. Minor queries are resolved as per the suggestions, immediately. The last audit was done in May 2021.

2) Internal Audit:

Yearly audit is conducted by Internal Audit Team to systematize the working in each and every department in the organization. Internal Audit Team verifies all the books of accounts, data related to establishment section and scholarship section also. Team verifies physically dead stock

registers, library books, workshop, and laboratories in the institute. In internal audit of workshop and laboratories, committees consisting of staff members of other departments are formed in order to physically verify the instruments in the laboratory and its status in the dead stock register. The committee submits the report to the head of the department for necessary action. The last audit was done in May 2021.

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

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

4.5

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<u>View File</u>

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The status of our Institution/ College is "Self Financed", non-aided private engineering college. The major source of receipts is Fees from the students. The Fee (Tuition Fee and Development Fee is decided by Shikshan Shulka Samiti, Govt. of Maharashtra). Our College is affiliated to Savitribai Phule Pune University. Other fees are collected as per Directives of Savitribai Phule

Pune University. Also, the entire infrastructure (Land Building and Immovable Property) is provided by the STES. Funds like Reserve Fund, Deficit Fund, Building Fund, Equipment /

Laboratory Fund, Library Fund are maintained as per the norms. Deficit is made good through the corpus fund by STES. Audited income and expenditure statement of academic and administrative activities of the previous four years are available.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

From the establishment of the institute there has been Academic Monitoring Committee (AMC). At present the activities of IQAC are being looked after by AMC. This committee monitors the teaching learning process of the institute. It plays the role of finalizing the academic calendar and teaching plan, execution and monitoring of academic activities, internal assessment of teaching learning process, mentoring the students and analyzing the student's feedback and suggesting necessary corrective actions.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Principal, Dean, Associate Directors and Heads of the respective departments and academic coordinators of the departments take review of teaching learning process in the institute. AMC also takes a review of teaching learning process in the institute before the start of the academic session some of the activities which are done in order to make sure the smooth flow of Teaching learning process are

- Teaching hours and subject distribution as per the policies of the Planning of FDP / TTT by course coordinator/senior faculty before the commencement of a semester for effective and uniform delivery of course content.
- Preparation of Course file and teaching plan by subject teachers.
- Appointment of co-coordinators for various activities.

- Preparation of Academic and Activity Calendar by the head and coordinators of the respective department.
- Preparation of class time table as per the teaching hours distribution.
- Periodic review of syllabus covered during departmental meetings.
- Remedial lectures and make-up lectures (and/or practical sessions) are conducted as per requirement.
- With the help of result analysis assessment and review of academic performance of students.
- Corrective action for non-performing students.
- Mid-semester feedback about a teacher from the students.
- Mentoring the students every week.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

```
Sr. No.

Strategic Goal


Target Participants


Action Plan

1.


Gender Sanitiztion


students

Awareness and interactive sessions with invited experts and NGOs on
relationship abuse, substance, drug and alcohol abuse

2.


Health and Hygiene

Students and staff

Interactive sessions with invited doctors on Teenage Health and
Personal Hygiene for a healthy life Interactive sessions with
invited doctors on Cervical· Cancer Awareness

3.


Women's Day Celebration

Women staff and students

Awareness programme and campaign on Women Rights and Gender
equality.

The concept of gender equity refers to "fairness of treatment for
both women and men, according to their respective needs. This may
```

include equal treatment or treatment that is different but which is considered equivalent in terms of rights, benefits, obligations and opportunities"

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

Title of the programme

Period from

Period To

Number of Participants

Female

Male

Women's Day Celebration

08/03/2021

08/03/2021

40

30

Specific facilities provided for women in terms of:

Sr. No.

Specific facilities

Available in campus

1

Safety and Security

24 by 7 Safety and security is provided in the campus. Separate library section, mess, clinical service and canteen facility is provided.

2

Counseling

Expert sessions are arranged for counseling in terms of health and diet. In the NSS camp, self protection training is provided.

3

Common Rooms

Yes.

4

Day care center for young children

No

5

Any other relevant information

24 x 7 ambulance service is provided in the campus for the medical emergency. STES's SKN Hospital is situated in Narhe, Pune.

File Description	Documents
Annual gender sensitization action plan	Yes
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Yes

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/	B. Any 3 of the above

power efficient equipment

File Description	Documents
Geo tagged Photographs	[View File]()
Any other relevant information	[View File]()

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Water Filtration: Campus is equipped with a water filteration plant having a capacity of 18 lac litres per day.

Efforts for carbon neutrality: Usage of solar water heaters has prevented the release of CO2 in the atmosphere. The campus has natural benefit, that is, as the college is located on the hilly region the CO, CO2 emissions are less as there is less pollution sources in the vicinity, providing a calm andpleasant environment. Bio waste is used as compost in garden instead of burning. Paper and plastic waste are often sold to scrap vendors instead of burning. Smoking and burning of garbage are strictly prohibited. Municipality vans come periodically to collect the garbage. Practice of eadmin and e-communication has encouraged the saving of paper thereby contributing towards carbon neutrality.

Hazardous waste management: College does not produce much of hazardous waste. However, some safety measures are taken as follows:

All waste waterlines and drainage systems are connected to sewage treatment plant, having capacity of treating 4 lac liters of water per day.

Organic Waste Converter (OWC-130) is an easy to use Decentralized Waste Management System having 50 kg waste batch size which is used to turn large amounts of organic waste into compost within 15 minutes as shown in Photo attached. It includes double curing system having capacity of 200 kg organic waste per day which uses moisture control fogging system to maintain perfect moisture.

07-03-2022 04:45:23

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geo tagged photographs of the facilities	Photos attached please see in relevant information
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	**B. Any 3 of the above**

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of Bicycles/ Battery powered vehicles 3. Pedestrian Friendly pathways 4. Ban on use of Plastic 5. landscaping with trees and plants	**B. Any 3 of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the	**D. Any 1 of the above**

following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**
Certification by the auditing agency	**No File Uploaded**
Certificates of the awards received	**No File Uploaded**
Any other relevant information	[View File](#)

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment   5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen   reading

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	[View File](#)

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

NBN STIC is undertaking various initiatives in the form of

celebration of days of Eminent personalities National Festivals, NSS,YRC and other such activities to provide for an inclusive environment by bringing students and teachers with diverse background on single platform for creating inclusive environment ,These functions help in developing tolerance harmony towards culture ,region and linguistics and also communal social economics and other diversities. The subject Constitution of India and professional ethics is made mandatory to all B.E students across disciplines. Convocation ceremony is conducted every year, where the convocation address is delivered to inspire and motivate the students for future journey. Two important national festivals, Republic Day and Independent Day are celebrated every year in the college campus. All teaching , non teaching staff and students participate for the cause of nation. The inspiring speeches are conducted.

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

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

Constitution Day is celebrated on 26th November every year. The programme initiates with Preamble reading of the constitution followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. Students are encouraged to participate in activities like essay competition on the related themes. viz. 'Economic Thoughts of Dr. B. R. Ambedkar'.

NBNSTIC undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. . Competitive examination center at SPPU will celebrate ' The constitute day' on Nov 26 by conducting a quiz competition -2019 on The constitution of India.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**D. Any 1 of the above**

File Description	Documents
Code of ethics policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

The NBN STIC college believes in organizing events and festivals in college. It is an part ofteaching- learning process and building a cultural in a student. The College and all the departmete makes tremendous efforts in celebrating the national and international days, events and festivals throughout the year. Due to pandemic situation in academic year 2020-21, we celebrated the following days on online platform like World Environment Day, International Yoga Day, Earth Day celebration, No plastic day, World water day, World Environment Day, Independence Day, Republic Day, Birth Anniversaries of Dr. Sarvapalli Radhakhishnan, Mahatma Gandhi, Birth anniversary of Swami Vivekananda.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<u>View File</u>
Geo tagged photographs of some of the events	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. Conduction of Student Training Programs -STP 1, STP 2, STP 3, STP 4 and STP5

2. Conduction of co-curricular and extracurricular activities under Sinhgad

Students Council Clubs In keeping with the institution's vision of producingnot only good engineers but good human beings too, college has always givenpriority to all round development of students. For this, there is StudentTraining Program activity under which training on soft skills development,Group Discussion and personal interview techniques, Engineering Research andits publication and one value addition program on latest technology based onstudents' choice are conducted from SE to BE level.

File Description	Documents
Best practices in the Institutional web site	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

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. Students' are motivated in participating various online training programs conducted by premier institutes. 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 empathy for the less privileged sections of society. College also has Various activities like trainings/competitions are conducted throughout the year. Institute has Sinhgad Overseas Cell under which guidance on educational opportunities in abroad is provided to the students.

File Description	Documents
Appropriate web in the Institutional website	**No File Uploaded**
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Improve upon Industry Institute Linkage for mutual benefits.

Creation of a central repository for storing online lectures and making these lectures available for blended learning.

Increase Tree plantation efforts for developing a Green Campus.

Start activities under incubation center.