



# **YEARLY STATUS REPORT - 2022-2023**

## **Part A**

### **Data of the Institution**

#### **1.Name of the Institution**

**SINHGAD TECHNICAL EDUCATION  
SOCIETY'S NBN SINHGAD TECHNICAL  
INSTITUTES CAMPUS**

- Name of the Head of the institution **Dr. Shivprasad Pandurang Patil**
- Designation **Director**
- Does the institution function from its own campus? **Yes**
  
- Phone no./Alternate phone no. **02024355042**
- Mobile no **9822917009**
- Registered e-mail **nbnssoe@sinhgad.edu**
- Alternate e-mail **principal.nbnssoe@sinhgad.edu**
- Address **S. NO. 10/1, OFF SINHGAD ROAD,  
AMBEGAON (BK), PUNE-411041**
- City/Town **Pune**
- State/UT **Maharashtra**
- Pin Code **411041**

#### **2.Institutional status**

- Affiliated /Constituent **Affiliated**
- 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 **Dr. Makarand Mohan Jadhav**
- Phone No. **02024355041**
- Alternate phone No. **02024355042**
- Mobile **9890644649**
- IQAC e-mail address **iqac.nbnstic@sinhgad.edu**
- Alternate Email address **hodentc.nbnssoe@sinhgad.edu**

**3. Website address (Web link of the AQAR (Previous Academic Year))**

<http://nbnstic.sinhgad.edu>

**4. Whether Academic Calendar prepared during the year?**

**Yes**

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

<http://nbnstic.sinhgad.edu/academics-academic-calender/>

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B++</b>	<b>2.83</b>	<b>2017</b>	<b>30/10/2017</b>	<b>29/10/2022</b>
<b>Cycle 2</b>	<b>A</b>	<b>3.25</b>	<b>2023</b>	<b>24/06/2023</b>	<b>23/06/2028</b>

**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
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>2022-23</b>	<b>0</b>

**8. Whether composition of IQAC as per latest NAAC guidelines**

**Yes**

- Upload latest notification of formation of IQAC

[View File](#)

**9.No. of IQAC meetings held during the year** 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 No File Uploaded

**10.Whether IQAC received funding from any of the funding agency to support its activities during the year?** **Yes**

- If yes, mention the amount **Rs. 28,465**

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

1. MoU with Mahindra & Mahindra Limited, Pune 2. Internship and Sponsored students projects in collaboration with Institute Innovation Council and ED-Cell 3. Conduction of National Conference on Cognitive Computing (NCCC) -2023 for students 4. Orientation program on Training and Placement Sessions for Students and Parents 5. Conduction of Open Automation Challenge in association with B&R Automation

**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
<p>Collaboration with Mahindra &amp; Mahindra Limited, Pune</p>	<p>Authorities signed a Memorandum of Understanding (MoU) with Mahindra &amp; Mahindra on November 26, 2022, and April 29, 2023. The goal of this MoU was to develop Self Managed Team (SMT) leaders through technical training and information exchange.</p>
<p>Internship and Sponsored students projects in collaboration with Institute Innovation Council and ED-Cell</p>	<p>For project-based learning, the Innovation Council and ED-Cell have worked with a variety of organisations and academic institutions. Some of partnerships are with Internshala and B&amp;R Automation Pvt Ltd, Pune, which offers staff and students training, internships, and sponsored projects. Additionally, the SPPU programme now requires TE students to do an internship.</p>
<p>National Conference on Cognitive Computing (NCCC) -2023 for students</p>	<p>The third NCCC was successfully held on May 16-17, 2023, with Prof. Sharad Patil serving as the institute conference coordinator and Prof. Mrs. Aparna Kare as the institution faculty coordinator. Mr. Nikhil Datar, Vice President, Mindtree, and Graphics Global Delivery Head for Communications, Media, and Technology, was one of the industry guests invited to speak as the keynote speaker at the event. The conference featured 132 technical paper presentations in all. Out of which 80 publications appeared in the journal-Scientific Technical and Medical (STM) Journals.</p>

<p>Orientation program on Training and Placement (T&amp;P) Sessions for Students and Parents</p>	<p>Parent's participation in day-to-day T&amp;P placement initiatives and the yearly introduction speech by Dr. Jayesh Minase, Dean of the Central Placement Cell (CPC), helped to improve placement.</p>
<p>Open Automation Challenge (OAC) in association with B&amp;R Automation</p>	<p>Students from all over India attended OAC -2023, which was held in NBNSTIC during February 16-17, 2023, in collaboration with B&amp;R Automation. 112 teams in all submitted an abstract of their concepts. Twelve teams in all were invited to participate in the final project presentation challenge. One team from NBNSTIC was participant in 12 finalists.</p>

**13. Whether the AQAR was placed before statutory body? Yes**

- Name of the statutory body

Name	Date of meeting(s)
<p>SINHGAD TECHNICAL EDUCATION SOCIETY'S NBN SINHGAD TECHNICAL INSTITUTES CAMPUS, IQAC Committee</p>	<p>13/09/2023</p>

**14. Whether institutional data submitted to AISHE**

## Part A

### Data of the Institution

<b>1.Name of the Institution</b>	<b>SINHGAD TECHNICAL EDUCATION SOCIETY'S NBN SINHGAD TECHNICAL INSTITUTES CAMPUS</b>
• Name of the Head of the institution	<b>Dr. Shivprasad Pandurang Patil</b>
• Designation	<b>Director</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>02024355042</b>
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<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://nbnstic.sinhgad.edu/academics-academic-calender/">http://nbnstic.sinhgad.edu/academics-academic-calender/</a>				
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Cycle 2	A	3.25	2023	24/06/2023	23/06/2028
<b>6.Date of Establishment of IQAC</b>			20/03/2018		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	2022-23	0	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>			04		

<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>	<b>Rs. 28,465</b>	
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
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<b>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</b>		



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<b>13. Whether the AQAR was placed before statutory body?</b>	Yes
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<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>
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Name	Date of meeting(s)
SINHGAD TECHNICAL EDUCATION SOCIETY'S NBN SINHGAD TECHNICAL INSTITUTES CAMPUS, IQAC Committee	13/09/2023

<b>14. Whether institutional data submitted to AISHE</b>
--

Year	Date of Submission
2023	10/01/2023

<b>15. Multidisciplinary / interdisciplinary</b>
The institution has adopted the National Education Policy's (NEP) vision, which aims to establish a human resource base through high-quality education. The key NEP principles, such as diversity for all curricula and pedagogy with technological innovations in teaching and learning, were raised during a

discussion among the faculty members. With the 2019 pattern, SPPU has revised its academic programs to include multidisciplinary and interdisciplinary audit, elective, and honors courses. Every program was developed to provide students with as much flexibility as possible to choose courses from different departments. It can be said that the University is actively attempting to put the NEP's suggestions into practice. It is possible to fully develop students' intellectual, aesthetic, social, physical, emotional, and moral capabilities so they can stop depending on government and private employment and instead prepare themselves for self-employment. The program learning outcomes, which identify the precise knowledge, skills, attitudes, and values, are also identified by the institute at the end.

#### **16.Academic bank of credits (ABC):**

As per SPPU directives, NBNSTIC adopts a choice-based credit system and grading system for all its programs. Presently, the curriculum offers a 2019 course- outcome-based education pattern. A resolution about the ABC is approved by the Academic Council. Presently, institute officially registered in the ABC portal and started implementing the Academic Bank of Credits for our students.

#### **17.Skill development:**

The institute's vision is to promote quality, value-based education. The institution's pedagogy is student-centered, and the pedagogies of the faculties are constructivist, inquiry-based, reflective, collaborative, and integrative. The student's learning outcome is evaluated using summative and formative assignments and assessments. As a result, initiatives are always made to inspire learners to be optimistic. The institute also celebrates national festivals such as Republic Day and Independence Day. Organizing and participating in events that encourage students to cultivate good qualities, such as Yoga Day, and Environment Day, and also observing the death and birth anniversary of our national leaders. To give students, the opportunity to consider potential career paths after college, the institution also employs the approach of mentoring students.

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

One of the institute's objectives is to preserve and promote Indian languages. The institute celebrates days like "Marathi Bhasha Din" and "Hindi Diwas" in honor of the adoption of Indian

languages. In future, we will adopt regional language for Engineering and Management education after implementation signal from affiliated university.

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

The Institute also works to encourage students to acquire a positive attitude and other qualities that will help them lead good careers, as well as the awareness that learning is a lifelong process. All of the programs offer outcomes-based education that was crafted with both local and global requirements in mind. All courses are designed with outcomes centered on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating, and Creating. The Course Objectives (COs) are also aligned with the PO-PSO philosophy. To implement the spirit of NEP, every course content has been prepared with due regard for macroeconomic and societal needs at large. Learning outcomes at all levels guarantee social responsiveness, ethics, and entrepreneurial abilities in addition to domain-specific skills. It has helped students in contributing proactive contributions to society's economic, environmental, and social well-being.

#### **20.Distance education/online education:**

Some of the institutional efforts toward blended learning have included the use of videos as teaching and learning aids, assignments, and revision for continuous evaluations. The faculties used a variety of technology platforms, including Google Classroom, Zoom, Google-meet, and Microsoft Teams. IIT Powai's Virtual Lab has enabled interaction on practical subjects between teachers and students from different geographical locations through online education. By combining online and offline resources, the institute has also paved the path for the adoption of a hybrid model of education. This might be viewed as the new norm that is also anticipated in the New Education Policy. At NBNSTIC, faculties are encouraged to participate in IIT Spoken, NPTEL etc. courses.

### **Extended Profile**

#### **1.Programme**

1.1

333

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

File Description	Documents
Data Template	<a href="#">View File</a>

## 2.Student

2.1 **1989**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2 **285**

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

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 **496**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

## 3.Academic

3.1 **79**

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 **104**

Number of sanctioned posts during the year

## Extended Profile

### 1.Programme

1.1	333
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2.Student

2.1	1989
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	285
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	496
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1	79
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

3.2	104
Number of sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

#### 4.Institution

4.1	38
Total number of Classrooms and Seminar halls	
4.2	398.74
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	443
Total number of computers on campus for academic purposes	

### 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

##### Term Planning

The Academic Monitoring Committee (AMC) prepares the academic calendar in line with the academic calendar prescribed by the Savitribai Phule Pune University (SPPU) in detail.

##### Subject Allocation of faculty and Preparation of Timetables

Before the end of the term, each faculty submits their subject choices to the Head of Department (HOD). The timetable is prepared and displayed on notice boards before the commencement of the new term.

##### Course File Preparation by faculty

Once the subject is allotted to the faculty, they prepare a teaching plan, course file, and Lab manuals. The course file

consists:

Part A includes Teaching Plan, COs, POs, PSOs, University Question Papers, and subject notes.

Part B includes Unit Test I: Question Paper, Attendance Record, Result, Sample Answer Sheets.

Part C includes Extra Activity Planning such as Industrial Visits. Lab Innovations, Skill Based Activity.

AMC / Internal Quality Assurance Committee(IQAC)

Each faculty monitor daily attendance and Parents of absent students are informed on WhatsAppgroup as well as by telephone.AMC continuously checks syllabus completion. Further, the Principal/Director takes a meeting of HOD along with AMC to take academic review, and suitable corrective measures are advised, if necessary. The IQAC provides feedback about curriculum enrichment.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://drive.google.com/file/d/1OGhyBCSK1coRnC_BJ8Ve-Cq2Lym_f7Qx/view?usp=sharing">https://drive.google.com/file/d/1OGhyBCSK1coRnC_BJ8Ve-Cq2Lym_f7Qx/view?usp=sharing</a>

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

**Adheres to academic calendar**

Before the start of every academic year, the Academic Calendar is prepared. Upon approval of the academic monitoring committee, it is circulated amongst the students and staff members.

According to the area of specialization, skills, experience and subject choices submitted by each faculty member, distribution of teaching load is done by HODs in consultation with the Principal.

Class wise and lab wise timetables are prepared and communicated to students accordingly.



Aligned with the syllabus and guidelines given by the institute, all subject teachers prepare teaching/practical plan(s), course file of their respective subject(s).

The working condition of required instruments and availability of the consumables is ensured before the start of each semester.

#### Internal Evaluation

Test/Mock oral exams are conducted for students to test subject knowledge. External examiners appointed by the SPPU to assess the students in term work/practical/oral. Additional counseling is done for the students who need extra time to prepare for the examinations.

Students are assessed based on their performance in internal examinations, timely completion of practical's, assignments, tutorials and attendance. Faculties use this complete process of internal performance evaluation to identify and classify learners. Counseling sessions by teacher guardians(TG)/Mentor-mentee are beneficial in overcoming issues.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://drive.google.com/file/d/1wlWd3CV1qCBesc3TKm33eTTdVt8uoSQI/view?usp=sharing">https://drive.google.com/file/d/1wlWd3CV1qCBesc3TKm33eTTdVt8uoSQI/view?usp=sharing</a>

**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**

**C. Any 2 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 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)

20

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

1449

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

Through core, audit, elective, and honours courses in Engineering and Management programmes, the institution incorporates cross-cutting topics that are pertinent to professional ethics, gender, human values, the environment, and sustainability into the curriculum.

##### 1. Courses to address Professional Ethics and Human Values:

For almost all engineering programs, these courses are audit courses such as -Intellectual Property Rights, Soft Skills, Ethical Practices for Engineers, Employability Skill Development, Professional Ethics and Etiquettes, Code of Conduct, Ethics and values in IT, and Value Education. For the MBA program, two audit courses titled "Indian Ethos & Business Ethics" and Ethics & Social Responsibility have been introduced by SPPU.

In order to educate students about gender equity, the institute organises a number of programmes under the National Service Scheme (NSS) and Student Development/Welfare Organisation (SDO/SWO).

##### 2. Courses to address Environment and Sustainability:

All engineering programs include a mandatory audit course in the semesters on 'Environmental Studies-I' and 'Environmental Studies-II'. In addition, the university has incorporated compulsory audit courses at the 2nd, 3rd, and 4th-year levels in all programs, e.g., Power Generation Technologies, Energy Audit and Management, and Water Supply and Treatment. Institute has taken the initiative to sensitize and teach citizens' values, rights, duties, and responsibilities through activities mainly organized by NSS, SDO/SWO. It organizes expert lectures in the early days of their engineering education. Institute also

encourages to organise and celebrate Constitution day.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

11

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
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	<a href="#">View File</a>
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

1117

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Institution obtains feedback on the

A. All of the above

**syllabus and its transaction at the institution from the following stakeholders  
Students Teachers Employers Alumni**

File Description	Documents
URL for stakeholder feedback report	<a href="http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/1.4_Feedback_system_2022_23signed.pdf">http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/1.4_Feedback_system_2022_23signed.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - Feedback process of the Institution may be classified as follows**

**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/1.4_Feedback_system_2022_23signed.pdf">http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/1.4_Feedback_system_2022_23signed.pdf</a>

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

**447**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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

274

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 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

**Process to assess the learning levels of the students:**

The learning levels of the students assessed through the internal as well as external assessment criteria. The advanced learners and slow learner students are identified through various parameters such as -previous semester marks of students, attendance /regularity, marks in unit test, prelim exam and insem examination. Once such slow learner students are identified, they are taken care specially through various efforts. These efforts are remedial/extra classes and practical, assignments, Counselling & motivation by subject teachers, class teachers, teacher guardian and communication with parents.

Similarly, the advanced learner students are well supported through various techniques such as: participation in value added training programs, promote for internships, help in getting Industry assisted/sponsored projects. Motivating students for achieving higher performances in their summative assessments by organising guidance lectures on higher studies, preparation for competitive examinations, preparations for GATE/GRE/ CAT examinations, awareness program on overseas education.

The Sinhgad Overseas Cell fosters awareness of the programmes that international universities offer and extends mentoring support for the admissions process.

Additionally, institutes encourage advanced learners to take part in workshops and seminars as well as to present papers at both national and institute-hosted conferences. After that, the

institute's teaching staff encourage their engineering and management students to participate in departmental and institutional annual events like Tectonic, Spectrum, Neon, and Sinhgad Karandak.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1989	79

File Description	Documents
Any additional information	<a href="#">View File</a>

### 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

Institute is conducting following various activities on student centric learning and enhancing their learning experience.

#### Experiential learning:

1. Project based learning: Students participate in collaborative projects and mini projects sponsored by various industries/academia to acquire practical skills and on the job training.

2. Hands on learning: Hands on trainings are given to the students in the laboratories by the faculty members to provide them real time information on subjects like CAD/CAM/CAE, C, C++, VB, Java, .Net, PHP, Python, SQL, Full Stack, etc.

3. Industry Internships: The course curriculum requires students to join and complete internships in the industry for two to six weeks in order to get practical and industrial exposure.

#### Participative learning:

1. Activity Based: Students are encouraged to participate in various technical and management events like programming contests, Hackathons, project competitions, etc to nurture creative thinking.

2. Collaborative Learning: The students collaborate to complete a task or mini project, engage in discussions, come up with workable solutions for a variety of problems to design a product.

3. Inquiry-based Learning: Students are instructed to make use of different resources beyond the classroom for investigation of problems. It helps in enhancing their logical thinking and understanding levels by reviewing research papers, surveys, projects, journals etc.

4. Peer learning: Students are engaged in technical and managerial discussions, case study, and work in groups for solving difficult tasks and industry problems under the guidance of peer leaders.

Problem solving methodologies: Students work collaboratively to obtain the solutions to interdisciplinary problems.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

Use of ICT enabled tools for effective teaching-learning process :

The use of ICT in the classroom increases the learning experience of the students and makes them interactive. ICT enables the use of digital educational resources and the new pedagogical methods, establishing a quick and more active collaboration of students. Almost all the teachers from all the departments use ICT tools for effective teaching-learning processes. Further, the classes including practicals are using online platforms like Microsoft Teams, Zoom, Google meet, etc. to share their technical contents.



Following are the various ICT tools and techniques used by faculty members and institute to make teaching more innovative:

1. Digital social learning platforms (YouTube, NPTEL, WhatsApp, blogs, etc.)
2. Microsoft Team for Online lectures, sharing subject notes, question banks, conduction of MCQ tests.
3. Open courseware (OCW) assignment.
4. Use of Virtual lab for conduction of Practical.
5. Sharing Video Prepared by Faculty members on WhatsApp, YouTube, Microsoft team.

Use of ICT tools helped to improves the teaching learning process, academic performance of the students, their communication skill, technical and management skills which makes them industry ready.

Use of social networks has provided the possibility of creating work groups where students got exposer to discuss different topics, publish content related to the subjects.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 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

76

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

79

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 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

16

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 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.

### Mechanism of internal assessment :

The institute adopted Savitribai Phule Pune University (SPPU) evaluation reforms and effectively implemented as per the guidelines issued by University authorities from time to time.

As per SPPU directives, the Institute has appointed a senior and experienced faculty member as College Examination Officer (CEO). The CEO in turn has formed college examination committee headed by the Principal and assisted by HOD and examination coordinator from each department.

University In-semester examinations, Oral, Practical, Project presentations are conducted as per university time table and guidelines. Students Marks and grades are submitted to university portal online by respective subject teachers through their login credentials. These marks and grades are counted in final results of students by university.

### Internal evaluation reforms:

Internal examinations like unit test, prelim exam, mock oral/ internal viva, practical and presentations are carried out by each department examination team as per academic calendar published at the start of each semester. The results of internal exams are declared within a week of the conclusion of the test. The students can see their respective answer books and discuss their queries with concerned subject faculty members. These marks of students in internal examinations are counted for continuous assessment of students in respective course.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

**Mechanism to deal with internal examination related grievances:**

Institute has adopted following mechanisms for redressing the grievances of the students with reference to internal and external evaluation both at the institute and University level.

**Institute level grievance Redressal:**

1. If any grievance in internal assessment is raised by a student the concerned faculties discuss all the queries with the students and helps them to solve their queries.
2. If the grievance is not solved by concerned faculty, then it is reported to the grievance redressal committee through the Head of the Department.
3. Grievance Redressal Committee and respective department HOD solve such grievance amicably after discussion with concerned faculty and students.
4. If grievance is not addressable at the department level, then the matter is forwarded to the Principal for further guidance and action.

**University level grievance Redressal:**

1. The institutes examination section and college examination officer (CEO) redresses University evaluation grievances.
2. These grievances are forwarded to university examination cell with suitable application of students, remark by Principal and CEO and supporting documents.
3. Under the University evaluation redressal system students can apply for photocopy, verification and revaluation, name change etc.

4. Results of grievances redressal at the University level are communicated to students through the Institute.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://drive.google.com/file/d/1wuCHEUrRyFU9P3K3Gzpm9-MlecTKttqu/view?usp=sharing">https://drive.google.com/file/d/1wuCHEUrRyFU9P3K3Gzpm9-MlecTKttqu/view?usp=sharing</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

### Programme and course outcomes:

Program Outcomes (POs) are based on the graduate attributes prescribed by National Board of Accreditation (NBA). The Program Specific Outcomes (PSOs) are defined by institute and they are program specific skills. The university has clearly defined the course outcomes (COs) which are mapped to the POs and PSOs by team of senior faculty members of respective department. These stated Programme and course outcomes are communicated amongst students and faculties in following ways.

1. The vision and mission statements of the institute are displayed at various key positions in the department and on the institute's website.
2. POs are printed on course syllabus, institute brochure and published on the institute's website.
3. The vision, mission and POs are conveyed to the students during students' orientation/ induction program.
4. Vision, Mission and POs are discussed during parents' meetings organized by the department once in a year.
5. Every faculty member discusses vision, mission, POs, PSOs and COs with the students at the start of course in every semester.
6. Vision, mission, PEOs, POs and PSOs of the department are also discussed during alumni meet conducted once in a year aswell aswhen the alumni visit the institute.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

#### Attainment of Programme Outcomes and Course Outcomes:

Programme Outcomes (PO) and Course Outcomes (CO) are evaluated by the institution using internal and external assessment tools. Students performance in unit tests, prelim exams, assignments, seminars and projects are considered for internal assessment. Students performance in insem exam, endsem exam, oral / viva, practical are considered for external assessment.

Internal and external assessment tools are assigned weightages as 20% and 80% respectively.

#### Evaluation Process:

1. Marks scored by the students in all the internal and external assessment tools are entered in the database excel sheet.

2. Average percentage marks of previous three years examinations are set as the target level.

3. The number of students scoring marks more than the set target are counted. The count is converted into percentage.

4. 20% of the average attainment level by internal tools and 80% of the average attainment level by external tools are added to calculate the CO attainment.

5. Average of all CO attainments is calculated to determine the overall CO attainment of the course.

6. Final PO attainment comprises both Direct method and Indirect method. 80% of the direct attainment level and 20% of indirect

attainment level are added to calculate overall PO/PSO attainment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

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

496

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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)

[http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/Students-Satisfaction-SurveySSS\\_2022-23.pdf](http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/Students-Satisfaction-SurveySSS_2022-23.pdf)

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

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

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

2.27

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

05

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

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

01

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.mahindra.com/">https://www.mahindra.com/</a>

### 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

**Innovation Ecosystem:**



The institute has an ecosystem for innovation and development. It has established the Centre For Innovation Incubation & Linkage (CIIL) to encourage faculty and students to explore their innovative ideas. It has also established the Social Entrepreneurship Cell nurturing budding entrepreneurs from the institute.

**Industrial visits:**

Industrial visits for the students have been arranged for experiential learning at research organizations and industries like Adani Dahanu thermal Power Station, Katraj Dairy etc

**MoUs:**

The institute organizes expert lectures and workshops about recent trends in technologies. Under the MoUs with companies like B&R Industrial Automation Pvt Ltd and Mahindra and Mahindra Pvt Ltd., institute provides internships, projects and industrial visits to the students.

**National Conference on Cognitive Computing (NCCC):**

The institute has motivated all the students to write and publish at least one research paper based on their final year project work. The institute's annual national conference, NCCC mainly focuses on students' research from 2019-20.

**Student exchange and faculty exchange program:**

The institute had a Japanese Training Center & NAT TEST Center in collaboration with Senmon Kyouiku Publishing Co. Tokyo, Japan.

**Outcome:**

Students regularly participate in national and international events like Rocketry and inter-college project competitions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/184wv2lwpPijlDwPHlSXS29Hd0_19cT_/view?usp=sharing">https://drive.google.com/file/d/184wv2lwpPijlDwPHlSXS29Hd0_19cT_/view?usp=sharing</a>

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

06

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.3 - Research Publications and Awards**

**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year**

**3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

15

File Description	Documents
URL to the research page on HEI website	<a href="http://nbnstic.sinhgad.edu/research/">http://nbnstic.sinhgad.edu/research/</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**

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

13

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

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

#### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

145

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

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

#### Extension activities

##### NSS:

The institute has persistently taken a keen interest in increasing awareness about the social responsibilities of students towards neighboring communities. The institute has witnessed a substantial increase in students' social participation. Our students conducted camps and participated in different activities Such as, Pune Plogathon, Orphanage Visit, Indian Swacchata League, Orphanage Visit, Police Mitra: Traffic Management Initiative, Blood Donation Camp, Special Winter Camp and Tree Plantation.

##### Sinhgad Karandak:

STES provides a national level platform-'Sinhgad Karandak' to introduce the youth to tap opportunities. Also, Institute actively encourages students to participate in state level

prestigious cultural and theatrical competitions like Firodia Karandak and Purushottam Karandak. Institute conduct Group Discussions & Debates in classes regarding social issues and green practices for holistic development of students.

**Neighborhood community services:**

Students also participate actively in the Fort cleaning drive in the nearby place. Students also participate in and organize blood donation camps on an annual basis with the help of SKN hospital.

**PRAYAS:**

'Prayas' Youth Forum and Social Awareness Foundation is a non-profit organization that promotes and supports educational and social development efforts in India. 'Prayas' is registered in SKNCOE, our sister concern institute, under the Societies Registration Act 1860, under the Government of Maharashtra

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

07

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

**community and NGOs ) during the year**

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

**08**

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**656**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

**09**

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

08

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## 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.

#### Infrastructure and Physical facilities for teaching- learning :

The institute has the essential infrastructure required for an effective teaching-learning process, co-curricular and extra-curricular activities to fulfill the norms laid by the SPPU, DTE, and AICTE. The physical infrastructure for UG and PG programs consists of 28 Classrooms, 05 Tutorial rooms, 51 Laboratories, and 05 Seminar Halls.

#### Classrooms and Seminar Halls

Classrooms are equipped with an audio-video system and ICT tools

like PA system, LCD projector, and internet connectivity.

#### Laboratories

Each department has well-equipped laboratories to impart practical knowledge.

#### Computing Equipment

Institute has a wired and wireless connective network for 443 Computers which is dedicated to academics with 100 Mbps bandwidth.

#### Workshop

Workshop consists of state of art machinery to impart practical skills.

#### Drawing Hall

The Hall is furnished with drawing boards and visualization models with capacity of 60 students.

#### Training and Placement Cell

A dedicated Training and Placement cell at institute level has adequate infrastructure for training and placement activities.

#### Seating arrangement for faculties

All the departments have furnished individual cubicle seating arrangement with internet facility.

#### Hostel Facility

Hostel accommodation for students (boys and girls) is available.

#### Fire Extinguisher

Every floor has fire extinguisher made available to deal with the fire situation.

#### Facilities for Divyangjan students

The institute take care of Divyangjan students.

## Washroom and Drinking Water Facility

All departments have water cooler and separate washrooms with necessary facilities for boys, girls and staff members.

## Medical facility

Institute has Campus Clinic and uses an ambulance service for medical emergencies offered by SKN Medical College and Hospital.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1bMO_kTAq1-dM7d-FUzwGp_ZrwLPokSak/view?usp=sharing">https://drive.google.com/file/d/1bMO_kTAq1-dM7d-FUzwGp_ZrwLPokSak/view?usp=sharing</a>

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

## Facilities for Cultural activities, Sports, Games (indoor, outdoor), gymnasium, yoga centre :

The NBN Sinhgad Technical Institutes Campus has always encouraged and supported the co-curricular and extracurricular activities in its institutes. It provides outdoor and indoor sports as well as cultural facilities. As part of this endeavor, the institute has a well-established Sports Cell and Art Circle for effective and better coordination of various sports and cultural activities which is headed by Sports Coordinator / Physical Director, Cultural In-charge and supported by the students' sports and cultural committees respectively. The Institute has cultural committee and sport committee, which looks after cultural activities and sport activities

## Sports

The Institute has large playground having area 16733 Sq. m for playing outdoor games such as cricket and lawn tennis. Similarly, the institute is also having the facility for indoor games such as Chess, Table Tennis, Carrom. Gymnasium facility for boys and girls is available in the campus and in hostels. Open air theatre and cultural room with latest musical instruments are available for practice.



## Sinhgad Karandak

Every year Institute conducts a cultural event "Sinhgad Karandak and Cultural fest-NEON and Techfest- Techtonic" are arranged every year to encourage the students to participate in performing arts. This program is very useful to bring out hidden talent of students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1TSW5MO2eU0b8fFB0HntXuhQeAUCltiiA/view?usp=sharing">https://drive.google.com/file/d/1TSW5MO2eU0b8fFB0HntXuhQeAUCltiiA/view?usp=sharing</a>

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

33

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://drive.google.com/file/d/1RL0eaXzM Fqt27elfehUhi2iWRX1Y3RXF/view?usp=sharing">https://drive.google.com/file/d/1RL0eaXzM Fqt27elfehUhi2iWRX1Y3RXF/view?usp=sharing</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

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

16.46

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

#### Library as a Learning Resource with Integrated Library Management System (ILMS) :

The Central Library is situated in a six-storied building covering an area of 5730 sq. m. The institute has a floor area of 1783 sq.m. in central library, with a reading hall of 1145 sq.m to accommodate 1000 students. It has access to remote e-resources like Knimbus, Delnet as well as Springer e-journal subscriptions. IEEE database is made available through resource sharing module. It has an access to 'Shodhganga' and 'SPPU Jaykar Library'.

Presently, KOHA LMS software consisting of thirteen modules is in use for library operations. a. Cataloguing Module: Used for creating book database, retrospective conversation using MS-Excel worksheet. b. Circulation Module: Helps in all counter transactions as well as Library books, periodicals transaction activities. c. KOHA Administration Module: In this module library rules are defined, working hours, holidays are also notified and students data can be separated course and year wise. d. Acquisition Module: Book Purchase orders can be placed through this module. e. Serial Control Module: Printed periodical and journal entries are done in this module, and it gives reminder for non-receive issue. f. Report module: Used to generate statistics, member lists, shelving lists, or any list of data in your database g. WebOPAC: Using this module, users can search books by title, author, call number. Users can search WebOPAC on their mobile with the following link: -  
[http://library.sinhgad.edu/cgi-bin/koha/opac-search.pl?idx=&q=&limit=branch%3ANBNSTIC&weight\\_search=1](http://library.sinhgad.edu/cgi-bin/koha/opac-search.pl?idx=&q=&limit=branch%3ANBNSTIC&weight_search=1)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://library-admin.sinhgad.edu">http://library-admin.sinhgad.edu</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

**A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

**0.82069**

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

**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**

**204**

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

### 4.3 - IT Infrastructure

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

##### IT Infrastructure :

IT infrastructure facilities are created taking into consideration the requirements of all the stakeholders.

Institute is having Campus agreement with Microsoft since last twelve years, for up-gradation of Windows Operating System and Microsoft Application Software.

To fulfill the norms of AICTE and the University, the institute has a required IT infrastructure. Institute aims at providing futuristic facilities to its students so that they can utilize these resources to reach greater heights. To enable this, the institution updates its IT facilities as per the discussion in the LMC/Budget. Classrooms are equipped with LCD projectors and supported by Wi-Fi connectivity. The entire campus is monitored by CCTV cameras.

The institute has a network of 443 computers with 100 Mbps fiber optic from TATA Communication and a Wi-Fi facility of 45 Mbps internet connectivity. A centralized firewall "Fortigate" is used for network monitoring, management, and internet security. Three-layer switching LAN is available for the entire campus. L3 D-Link (GIGABIT Switch) 24-port switch is present in the Server room of the institute which is connected to the Main L3 Cisco 24-port switch.

Institute uses social media to interact with current students and stay connected with alumni. At the Institute level, two main platforms are available to communicate with students namely:

Facebook :<http://bitly.ws/xnVQ>

<http://bitly.ws/xnWE> and

YouTube: <https://www.youtube.com/@nssnbnstic1588>

Various activities and event details are posted on social media.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1r4xOiPqaIkHZb_q_cuv278-gWlWoDin/view?usp=sharing">https://drive.google.com/file/d/1r4xOiPqaIkHZb_q_cuv278-gWlWoDin/view?usp=sharing</a>

#### 4.3.2 - Number of Computers

443

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 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)

115.16

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

**Systems and procedures for maintaining and utilizing physical, academic and support facilities :**

Standard systems and procedures for maintaining and utilizing physical, academic and support facilities are adopted as per the directives and guidelines from the society time to time.

#### 1. Mechanisms for Maintenance

- Classrooms, Laboratories, Tutorial rooms, Seminar Hall, Library etc. are cleaned, maintained and updated on regular basis. Further, this activity is monitored by concerned authority.
- The institute has separate team of gardeners that look into the maintenance of campus.
- The institute has a team of skilled technical staff for maintaining computers and networking facilities.
- Faculty in-charge and technical assistant look after the maintenance of respective laboratory. The funds available from budget are utilized for repair of breakdown items. Dead stock verification is scheduled on regular basis.
- Estate office carries out maintenance of infrastructural facilities.
- Housekeeping services are regularly executed and monitored by estate office.
- The central canteen committee looks after the cleanliness, hygiene of the canteen as well as mess.
- The central "Civil, Electrical Repair and Maintenance" committee looks after the maintenance of the institute's infrastructure.

#### 2. 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.
- Seminar Halls are utilized for various student activities, seminars and guest lectures.
- Sports ground is utilized by all the students for various outdoor games.
- Library facilities are utilized by the students and faculties

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1K5fteImQaPALFxRrj3BLIMvBKyuADxRT/view?usp=sharing">https://drive.google.com/file/d/1K5fteImQaPALFxRrj3BLIMvBKyuADxRT/view?usp=sharing</a>

## 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

1596

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 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**

03

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**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	<a href="http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/5.1.3_2022-23-Capcity-Building-and-Skills-Enhancement.pdf">http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/5.1.3_2022-23-Capcity-Building-and-Skills-Enhancement.pdf</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

837

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

837



File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

<b>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</b>	<b>A. All of the above</b>
---	----------------------------

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

**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**

**289**

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File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

## 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

13

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>

## 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

23

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

## 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.**

06

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

**Students' representation and engagement in various administrative, co-curricular and extracurricular activities :**

The institute provides students with relevant and concrete representation in a variety of administrative, co-curricular, and extracurricular activities. The committees and their responsibilities are as follows:

#### **Administrative activities**

Student complaints are resolved by the Internal Complaints Committee (ICC), which also maintains discipline and harmony among the student community.

#### **Co-Curricular activities**

The co-curricular activities such as Webinars, Quizzes, Workshops, Conferences, Expert talks etc. are organized under Google Developer Students Club.

#### **Extracurricular activities**

Institute promotes students to participate in NBN Art Circle. It provides students with an opportunity to develop their hidden talents. It organizes dance, singing, and other events. Representative selections of students from several departments constitute the core cultural committee.

**Extension activities**

Student bodies and committees organise and carry out NSS-related social events. Students are represented on a variety of committees, including the anti-ragging committee and the internal complaint committee.

**Sinhgad Student Council**

Sinhgad Student Council is an association with a perfect blend of clubs to produce competent students to face the newer challenges of today's globalized world through holistic development. This council provides a platform for students to support, share and excel in potential qualities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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**

16

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

## 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

### Alumni Association:

The Alumni association of the institute was established in the academic year 2017-18, Reg. No. MH/1123/2017/Pune and the Registration date is 10/08/2017. With the ongoing development of the institution, alumni from all over the world are able to stay in contact, facilitating more regular engagement between Alumni, Students, Staff, and Management at NBN Sinhgad Technical Institutes Campus.

### Objectives:

- To encourage interaction between Alumni and Institute that can benefit mutually to both.
- To guide the students for higher education, professional development and being good human beings.
- To promote technical activities in order to increase the contribution of Alumni.
- To mentor students on various professional careers and support them through various activities.
- To encourage and help students in cultural, sports, and extra-curricular activities.

Glimpsing the above objectives, the Alumni association contributes in different ways for the betterment professional growth of students and in turn results in development of our institute. Further students are also benefitted in enhancing the skillset through expert lectures, training, student placement,

career guidance sessions, industrial visits and mentoring. The Institute's Alumni coordinator conducts alumni meet every year to develop everlasting relations for mutual benefits.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/1C5xVAsLFk5wzmmj4sKRuSfw4NrFryOiw/view?usp=sharing">https://drive.google.com/file/d/1C5xVAsLFk5wzmmj4sKRuSfw4NrFryOiw/view?usp=sharing</a>
Upload any additional information	<a href="#">View File</a>

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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

#### Governance 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.

The governance within the institute consists of a Governing Body, Local Management Committee and Internal Quality Assurance Cell (IQAC). The Management, Principal, central committee coordinators and IQAC frame and implement the policies that are in tune with the vision and mission as well as in the governance

of the institute as a whole. The Principal holds meetings with the Heads of Departments to review the processes and plans of each department. The Institute has inculcated the practices of decentralization and participative management. Effective leadership is visible through designing, planning, implementing and executing Institute quality policies. According to academic calendar every department prepares teaching plans for each semester. It guides to all curricular, co-curricular and extracurricular activities. The students are encouraged to organize the events in their own.

The outcome of decentralized and participative management is generation of 01 patents and 01 copyrights, 01 team qualified for Smart India Hackathon, 05 teams participated in Avishkar Zonal Level- Inter-University Project Competition, 04 industry-sponsored projects and 13 publications in reputed research journals. The committee has been instrumental in policy decisions.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

**Leadership visibility at NBNSTIC through 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 of institute and shares its vision through Governing Body (GB), Local Management Committee (LMC), and Academic Monitoring Committee (AMC) meetings. Management recruits 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 meetings conducted with Heads of the department and their team. 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 the perfect implementation of the planned activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

#### Development and Deployment of Institutional Strategic/ perspective plan:

The Institute has well defined organizational structure for effective & efficient functioning. The organizational hierarchy consists of Governing Body, academic and administrative set up and various committees. The Management, Campus Director and Principal ensure that, Institution is progressing with all the planning. A number of the policy decisions that reflects effective and efficient functioning of the institutional bodies are as accreditation of the institute, higher education, encouraging the students to learn foreign languages. The action plans of implementations are prepared under the guidance of Principal and the Heads of the Department.

In addition, Central and Institute committees plan and ensure timely execution of activities. Further, AMC / IQAC helps to monitor the functioning of teaching -learning, student's and Institute development in the areas of quality enhancement.



Appointment and service rules procedures also reflect the effective and efficient functioning as stated below :

Approval of roster for recruitment from affiliated university (SPPU). Publishing the advertisement in Newspapers and institute portal. Conduction of interviews through panel members constituted by affiliated university. Issuing appointment orders and joining of selected faculties. In line with above Institute follows similar process of recruitment through a committee constituted by Management. If the procedure of recruitment through the affiliated university is likely to cause delay in appointment of faculties or to fill up the vacancies created due to resignations tendered by existing staff, termination, transfer or death of the staff.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1lu9lf-FS-ggEX-8mSH97gfTHjILuVaRX/view?usp=sharing">https://drive.google.com/file/d/1lu9lf-FS-ggEX-8mSH97gfTHjILuVaRX/view?usp=sharing</a>
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.

#### Functioning of the Institutional Bodies :

The Institute has well defined organizational structure for effective & efficient functioning.

#### Administrative setup

The organizational hierarchy consists of Governing Body, academic and administrative set up and various committees. The Management, Campus Director and Principal ensure that, Institution is progressing with all the planning.

#### Policies

A number of the policy decisions that reflects effective and efficient functioning of the institutional bodies are as accreditation of the institute, higher education, encouraging the students to learn foreign languages. The action plans of

implementations are prepared under the guidance of Principal and the Heads of the Department. In addition, Central and Institute committees plan and ensure timely execution of activities. Further, AMC/IQAC helps to monitor the functioning of teaching-learning, student's and Institute development in the areas of quality enhancement.

#### Appointment and Service rules

Appointment and service rules procedures also reflect the effective and efficient functioning as stated below:

- Approval of roster for recruitment from affiliated university (SPPU).
- Publishing the advertisement in Newspapers and institute portal.
- Conduction of interviews through panel members constituted by affiliated university.
- Issuing appointment orders and joining of selected faculties.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/14gh5LUMm7Z0WXKB3iVoy2W0i0s6ZzdKL/view?usp=sharing">https://drive.google.com/file/d/14gh5LUMm7Z0WXKB3iVoy2W0i0s6ZzdKL/view?usp=sharing</a>
Link to Organogram of the institution webpage	<a href="http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/6.1.1_Point2_OrganizationalChart.pdf">http://nbnstic.sinhgad.edu/wp-content/uploads/2023/12/6.1.1_Point2_OrganizationalChart.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

**Welfare measures for teaching and non-teaching staff :**

The Institute has a predefined welfare measures for Teaching and Non- teaching staff as follows:

**Employee Provident Fund (EPF)**

EPF is a scheme to help people save enough corpus for retirement. The Institute contributes 12% of the basic salary of all employees as a contribution to the EPF.

**Gratuity**

Gratuity is given by the Institute to employees for the services rendered by him/her during the period of employment. It is usually paid at the time of retirement, however, can be paid earlier provided certain conditions are made as per the Gratuity Act.

**Staff quarters**

Residential facilities on campus to employees as per the availability and request.

**Maternity leaves**

Female employees are given six months of maternity leave after completing a two-year probationary period. Extended maternity leave is also given, if required.

## Campus clinic

Availability of campus clinic and doctor that provide free health checks for staff and students.

## On Duty Leave, and Earned Leave for Staff

All employees can avail on demand a Duty Leave, for University Work, to attend Workshops, Seminars and conferences, etc. Further, staff are provided earned leave as per the norms laid down by the statutory body.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/1eh8MFsG40yUd1maYKOCnXff8a-5gF6S3/view?usp=sharing">https://drive.google.com/file/d/1eh8MFsG40yUd1maYKOCnXff8a-5gF6S3/view?usp=sharing</a>
Upload any additional information	<a href="#">View File</a>

## 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

04

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

## 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

05

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	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**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**

103

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

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

**Performance Appraisal System:**

The Institute has a well-defined performance-based appraisal

system for all teaching and non-teaching staff. The institute has well-defined mechanism of Performance Appraisal System to analyze and evaluate an individual's performance every year in the prescribed format laid down by the Governing Body.

Performance Appraisal Form:

- Head of the Department

PART A - Self Assessment by Head of the Department

PART B - Assessment by Principal

PART C - Overall Assessment by Management

- Teaching and non-teaching staff

PART A - Self Assessment by staff

- Teaching-Learning and Evaluation related activities
- Results of Students Attendance of students Student Feedback
- Teaching Guardian /Class Teacher

PART B - Assessment by HOD

- Integrity and Character
- Reliability / Dependability
- Punctuality

PART C - Assessment by Principal

- Contribution at institute department level responsibilities
- Integrity of work
- Remarks of Principal

PART D - Overall Assessment by Management

The Head of the Department and Principal evaluates the filled performance appraisal for all the staff. It guides the decision-making process for rewards and promotions. The staff members who do not meet the performance criteria, are communicated through their respective Heads of Department for further necessary action and motivate them to work towards achieving the institute's goals. Thereafter, the Principal also interacts

individually with staff members to boost their morale.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/1Yq9mV6eUirl-xul7GLqnIwrtJK8rRumq/view?usp=sharing">https://drive.google.com/file/d/1Yq9mV6eUirl-xul7GLqnIwrtJK8rRumq/view?usp=sharing</a>
Upload any additional information	<a href="#">View File</a>

## 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

### Enumeration of the internal and external audits for Financial Management and Resource Mobilization :

- Internal and external auditors are appointed by the institute and management. The account of each financial year of the institute is audited by the auditors.

- These audits are carried out in each half of the financial year. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly sign by chartered accountant and Principal. These audited reports are submitted by chartered accountant.

- The objection raised in the internal and external audit reports are reviewed by the management, Principal and accountant. The necessary compliance is carried out towards the fulfillment of the objection raised. The management has given complete support to Principal for organization of various co-curricular and extra-curricular activities like technical activities, skill development programs etc.

- The institute also has a standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payments.

- The institute strictly follows the guidelines given by the society (Reference No: STES/FIN/2007-08/50 dated 25/05/2007) to mobilize the funds collected from collaboration with the

industries and institutes with prior approval from Principal and management.

- In addition, as and when required, the institute makes a provision for advance additional funds.

- Financial support is also provided for participation of students at various national events.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/1a7lnXmWQ3Sy2B5jeTECoJ03v4GfA6xca/view?usp=sharing">https://drive.google.com/file/d/1a7lnXmWQ3Sy2B5jeTECoJ03v4GfA6xca/view?usp=sharing</a>
Upload any additional information	<a href="#">View File</a>

#### 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)

4.92

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

**Strategies for mobilization of funds and the optimal utilization of resources :**

The institute has a well-defined procedure to monitor utilization of available financial resources for academic process as well as development of infrastructure. All the financial transactions are monitored by the institute authorities and management. Further, the budget is presented and discussed in LMC and governing body of the institute. The



resolution regarding budget approval is forwarded to the managing committee of the society for final approval.

The institute has constituted a separate purchase committee comprising of Heads of Department and administrative staff. Effective & efficient purchase procedure is followed by purchase committee. The management has given complete support to Principal for organization of various co-curricular and extra-curricular activities like technical activities, skill development programs etc. The institute also has a standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payments.

The institute strictly follows the guidelines given by the society (Reference No: STES/FIN/2007-08/50 dated 25/05/2007) to mobilize the funds collected from collaboration with the industries and institutes with prior approval from Principal and management. In addition, as and when required, the institute makes a provision for advance additional funds. Financial support is also provided for participation of students at various national events.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/1XOqrYtaZRV2OBENpgd3RSzMUzE9HnKV_/view?usp=sharing">https://drive.google.com/file/d/1XOqrYtaZRV2OBENpgd3RSzMUzE9HnKV_/view?usp=sharing</a>
Upload any additional information	<a href="#">View File</a>

## 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

**Quality assurance strategies and processes driven by IQAC:**

Committee of nineteen members comprise the Institute's Internal Quality Assurance Cell (IQAC), which focuses on the teaching-learning process, industry partnership, training & placement and extracurricular activities.

IQAC helps in guiding teachers in the teaching-learning process so they can concentrate on value-based education. IQAC has developed and published a standard procedure for keeping track of the paperwork and supervising the students.

For the purpose of determining program outcome attainment, all teachers compute the course outcome attainment for their individual course(s) and report their results to the department coordinator. During the internal academic audit, the senior faculty members and HOD examine the attainments calculation. The Academic Monitoring Committee (AMC) keeps track of attendance and provides counseling as necessary to help students improve overall performance.

Staffs and students develop their professional skills through NPTEL, spoken tutorials, course certifications, etc. For exam preparation, compensatory time off is provided.

Through MOUs, 'Centers of Excellence', 'Training' , and 'Technical Forums' , IQAC has started an industry institute collaboration to improve interaction between the institute and industry.

In addition, Institute Training and Placement coordinator in coordination with central placement cell organize different Add-On / Value-Added programs on emerging trends.

The Innovation & Entrepreneurship Development Cell and Institute Innovation Council at the institute is functioning and conducting activities to promote entrepreneurial skills.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

**Review of teaching learning process :**

Regular meeting of Internal Quality Assurance Cell (IQAC)

Feedback collected, analyzed and used for improvements. As per the rules, there must be a minimum of four IQAC meetings per year. The committee members' ideas are collected and evaluated for the benefit of both the students and the Institute during the meetings. In the action taken report, the adopted procedures

are drafted.

Collaborative quality initiatives with other institution(s)/  
membership of international networks

As vice-chairman of the IEEE ComSoc branch in Pune, Dr. Makarand Jadhav conducts workshops, seminars, webinars, conferences, symposiums, and other events for faculty and students on current trends. To encourage information sharing, a small number of academic members serve as research guides at various research centers.

Participation in NIRF

Institute has registered for NIRF to highlight their development.

Audits and Accreditations

Necessary Quality audits and accreditations are completed . Further, Cycle 2 of accreditation by NAAC, Bangalore is also completed with CGPA of 3.25 on four point scale at A Grade which is valid upto June 23, 2028.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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)**

A. All of the above

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

## 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

##### Measures to promote gender equity:

To create awareness of gender equity among students and staff, the Institute has an Equal Opportunity Centre. It provides equal opportunity to students and male and female staff for all activities and processes. It also provides opportunities for the recruitment and appointment of female candidates in various academic and administrative committees.

##### 1. National Service Scheme (NSS)

The co-education institute organizes various programs under NSS to educate students about gender equity. All staff and students, plan and execute awareness programs such as women empowerment, Nirbhaya activity, women's safety, etc. Students also arrange and attend one residential camp in a rural area every year. They organize various activities, where boys and girls participate.

##### 2. Participation in Co-Curricular & Extra-Curricular Activities

Institute has taken initiatives to promote gender equity among all students by making them participate in co-curricular and extracurricular activities. Along with organising events like Sinhgad Karandak, Neon, Techtonic, women's day celebrations, and interdepartmental sports contests, the Institute is also a part of the society level organisation committee. These committees work to promote inclusivity and peace in society. Girls teams of

the Institute participate in various inter-collegiate/zonal level tournaments. The Institute provides equal opportunity/participation to boys and girls in drama competitions on multiple platforms.

### 3. Institutional initiatives to celebrate commemorative days

The Institute always takes the initiative to celebrate commemorative days, events, and festivals to remember and disseminate their contribution to the overall development of society.

File Description	Documents
Annual gender sensitization action plan	<a href="https://drive.google.com/file/d/1WPxxQCzg_wafEYipMirnCeM5-g22BTKww/view?usp=sharing">https://drive.google.com/file/d/1WPxxQCzg_wafEYipMirnCeM5-g22BTKww/view?usp=sharing</a>
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	<a href="https://drive.google.com/file/d/1ZytWWtMB_NR5sLwsLeKQOrSMONHA0fe8/view?usp=sharing">https://drive.google.com/file/d/1ZytWWtMB_NR5sLwsLeKQOrSMONHA0fe8/view?usp=sharing</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**C. Any 2 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

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

**Management of degradable and non-degradable waste :**

**Following facilities in the Institution are available for the management of the following types of degradable and non-degradable waste :**

## Solid waste management

Degradable and non-degradable solid waste are classified into their respective categories. Newspapers, magazines, files, dry tree leaves, raw culinary garbage (canteen, mess), and hostel waste are all examples of degradable waste. Glass, metals, and E-waste are examples of non-biodegradable garbage. Following collection, items are disposed of using the institute's adoption of the collection method established by the Pune Municipal Corporation.

## Liquid waste management

The campus equipped with two Sewage Treatment Plant. Presently one is functional and other is under maintenance. During the maintenance time the sewage is connected to Municipal Drainage Lines. For the Annual Maintenance Contract (AMC) of the treatment plants external agency is assigned.

## E-waste management

The NBNSTIC is established in 2011 with all new electronic gadgets and equipments. Presently, E-Waste started to generate. The Institute has establishing a procedure for the removal of E-waste and Scrap while keeping in mind the global dangers of electronic waste. Damaged batteries, cells, CDs, Hard Drives, Monitors, Keyboards, Cables, Cartridges, and other types of e-waste generated in the institution are collected. Every department has a designated spot for collecting e-waste, and students and staff are encouraged to discard any created e-waste there. The CDs that are no longer required are used as decorations by students at various college functions. The institute has well defined policy for proper E-Waste Disposal.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge**

C. Any 2 of the above

**Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
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**

**B. Any 3 of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

**Institutional efforts/initiatives in providing an inclusive environment :**

**The institute has taken efforts/initiatives for providing an**



inclusive environment to enhance harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities.

1. Prepares an academic calendar to keep students, faculty and staff reminded of important dates throughout the academic semester.

2. Celebrate cultural diversity as well as to promote use of national languages, the annual magazine of the institute "Vivaswan" contains articles in different languages.

It also celebrates Marathi Bhasha Divas, to inform students about the culture and achievements associated with language.

3. NSS unit organizes a week-long residential camp in rural areas. They perform street plays to make citizens aware of social issues such as farmer suicide, gender equity and women empowerment.

4. To protect the environment and preserve the ecosystem, the institute organizes activities like garbage collection, plastic paper collection, river-side cleaning, etc and students are aware of the duties of the responsible citizens supporting Swachh Bharat Mission.

5. Organizes blood donation camps to motivate students and staff members to donate blood voluntarily as social responsibility.

6. Institute always contributes at the time of natural disaster by supplying food and clothes donations through the NSS unit to the people of the affected areas.

7. Celebrate women's day, the institute organizes sessions for women employees and students to make them aware of safety, security and health issues.

8. Students collect garbage and plastic waste during the Swachh-Dindi Abhiyan along with faculty members.

9. The Student Development Organization of the institute looks after the protection of rights and supervises the development activities of students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**Sensitization of students and employees to the constitutional obligations :**

Occasionally, the institution organizes programmes to raise awareness among students and staff about their constitutional duties and responsibilities, including values, rights, and duties as citizens.

a) Institute takes remarkable efforts to celebrate Independence Day, Republic Day, Yoga day and birth

anniversaries of national idols to revive the national spirit, duties and rights defined by the constitution.

b) The institute also creates awareness about human rights, constitution and obligations. The preamble of constitution obligation is displayed in the college corridor.

c) Internal complaints/grievance committee sensitizes about women rights and gender equity to various activities like NSS and SDO.

d) Established Electoral Literacy Club (ELC) organized National Voters Day etc. to make students aware about voting rights .

e) Institute takes efforts to inculcate values among students by organizing expert lectures on human rights.

f) First year students are engaged in an induction program which helps their holistic development.

g) NSS conducts activities such as pollution awareness camps and tree plantations in order to preserve social, environmental values.

h) Institute organizes social and techno social visits to old age homes, etc to make students aware of their responsibilities.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://drive.google.com/file/d/1UM9nAS_8xxOm9VsAR4vHIwss7WOnRfq2/view?usp=sharing">https://drive.google.com/file/d/1UM9nAS_8xxOm9VsAR4vHIwss7WOnRfq2/view?usp=sharing</a>
Any other relevant information	Nil

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

A. All of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

**Institutional initiatives to celebrate commemorative days :**

The institute always take initiatives to celebrate commemorative days, events and festivals to remember and disseminate their contribution for overall development of society.

## Republic Day and Independence Day

Every year institutes celebrates Republic Day and Independence Day with great enthusiasm where all staff and students gather at one campus along with office bearers. The program starts with flag hoisting by the President followed by national anthem and cultural programs.

## Teacher's Day

Institute celebrates teacher's day on 5th September in remembrance of Dr. Sarvepalli Radhakrishnan.

## Engineers' Day

Every year on 15th September is celebrated as Engineers day in the honour of Bharat Ratna Mokshagundam Visvesvaraya. Institute organizes activities related to social issues and technical advancements.

## International Yoga Day Celebrations

Institute celebrates International Yoga day every year on 21st June. On this day students and staff are motivated to perform yoga and other physical exercises under yoga trainer. Experts talks are organized to create awareness about Yoga.

## Dr. Babasaheb Ambedkar Jayanti

Institute celebrates Dr. B. R. Ambedkar jayanti by conducting a cordial ceremony in his memory every year on 14th April.

## Chhatrapati Shivaji Maharaj jayanti

Institute celebrates Chhatrapati Shivaji Maharaj jayanti on 19th February every year to commemorate our respect towards him.

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

## 7.2 - Best Practices

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

### Best Practices :

Institute strive to achieve students' Holistic development by practicing various best practices that reflect our credibility for developing a vibrant Society.

### BEST PRACTICES 1

1. Title : Development of Creative Human Resource Force (CHRF)

#### 2. Objectives :

- To provide young minds an opportunity to showcase their skills and compete with like-minded individuals.
- To help students to develop their personalities with a competitive spirit.
- Built an ecosystem to promote leadership qualities and human values.

#### 3. The Context:

The following are the initiatives adopted for CHRF:

#### Value Added Program (VAP)

Value Addition Program Training on Full Stack, Excelr experts to add value to the Curriculum vitae

#### Sinhgad Student Council

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

#### Sinhgad Karandak

It includes many sports, competitions, and technical and cultural events

#### Train The Trainers

The institute organizes programs by the senior faculty to the newly joined faculty to transfer the knowledge on teaching methodology.

**BEST PRACTICES 2**

1. Title : Knowledge Transformation through Cognitive Approach (KTCA).

2. Objectives :

- To share recent trends and multidisciplinary knowledge among students.
- To showcase their technical talent in the field of engineering and management.
- To improve the presentation and communication skills of students.

3. The Context

- Organisation of National Conference NCCC for students
- Project-Centered Education, student-centric pedagogy that effectively develops students' skills
- Internship for students to the industrial environment to develop skilled human professionals
- Language Lab for students to practice their listening and oral communication skills

File Description	Documents
Best practices in the Institutional website	<a href="http://nbnstic.sinhgad.edu/wp-content/uploads/2023/01/7.2.1_Beat_Practice_1.pdf">http://nbnstic.sinhgad.edu/wp-content/uploads/2023/01/7.2.1_Beat_Practice_1.pdf</a>
Any other relevant information	<a href="http://nbnstic.sinhgad.edu/wp-content/uploads/2023/01/7.2.1_Best_Practice_2.pdf">http://nbnstic.sinhgad.edu/wp-content/uploads/2023/01/7.2.1_Best_Practice_2.pdf</a>

**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

## Institutional Distinctiveness :

### Sinhgad Technical Education Society (STES) legacy

STES established in 1993 is premier education institutes in Maharashtra. It is founded by visionary Prof. M. N. Navale to promote noble cause of education. It was established with well-defined objective to bring about holistic development of students and to create skill human resources in various field. With this legacy over 29 years we have enrich educational set up by offering quality education and dynamic Center Placement Cell (CPC) for students.

Institute Training and Placement Officer in association with CPC ensure placement in reputed industries to all the Engineering and Technology as well as Management students. It develops national and international links with business organizations to develop meaningful relationship and opportunity for the placement of the students in the global job markets. In turn, strengthens and enhance industry institute partnership through campus connect. It also imparts personality development training to students to face this competitive era. The institutes also take initiatives to provide placements through internships to enhance the quality of students empowering them with skills those are globally at par.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

#### Action Plan :

##### Quality placement

Student databases will be created and managed using Calyxpod, an internal ERP for the placement activities. To boost the number of placements, more employability enhancement initiatives will be carried out, including webinars, corporate training, motivational sessions, alumni sessions, and campus connect programmes.

To transform knowledge through collaborations

The Institute and industry will engage more effectively through MOUs, "Centres of Excellence," "Training," and "Technical Forums," which facilitate the exchange of knowledge through industry-institute partnership. Furthermore, students must complete an internship as part of the SPPU University programme.

To develop productive human resource force

The institution uses project-based learning, a student-centric pedagogy that efficiently builds students' skills through mini-projects and internship. It facilitates students' acquisition of transdisciplinary knowledge transfer and development by encouraging them to actively investigate issues and difficulties from the real world.

To enhance teaching learning process

Feedback on the Teaching-Learning process will be collected and analyzed to identify the areas that need improvement. Planning for corrective actions such as solving extra assignments, will be done accordingly. Further, extra classes will be organized for lateral entry students. Regular unit tests, mock online/oral/practical examinations, prelim tests, and mock oral/practical examinations will be conducted to enhance the student results at University examinations.

The students will be encouraged to participate in Hackathons/Design contests etc. National Conference on Cognitive Computing is organized yearly to provide a platform for knowledge dissemination.