



## YEARLY STATUS REPORT - 2021-2022

### Part A

#### Data of the Institution

##### 1. Name of the Institution

**N. B. NAVALE SINHGAD COLLEGE OF  
ENGINEERING, KEGAON, SOLAPUR**

- Name of the Head of the institution **Shankar Dattatray Nawale**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **02172500610**
- Mobile no **8380025651**
- Registered e-mail **principal.nbnscoe@gmail.com**
- Alternate e-mail **registrar.nbnscoe@sinhgad.edu**
- Address **Opposite to Punyashlok Ahilyadevi  
Holkar Solapur University,  
Solapur-Pune National Highway,  
Kegaon, Solapur**
- City/Town **SOLAPUR**
- State/UT **Maharashtra**
- Pin Code **413255**

##### 2. Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **Punyashlok Ahilyadevi Holkar Solapur University, Solapur (Maharashtra)**
- Name of the IQAC Coordinator **Azharuddin K. Shaikh**
- Phone No. **8888499450**
- Alternate phone No. **9975412812**
- Mobile **8888499450**
- IQAC e-mail address **iqac.nbnscoe@gmail.com**
- Alternate Email address **azharkms@gmail.com**

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

<http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/08/Updated-AQAR-2020-2021.pdf>

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

**Yes**

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

<http://sinhgadsolapur.org/EdSite/academic-calender/>

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.12</b>	<b>2018</b>	<b>26/09/2018</b>	<b>25/09/2023</b>

**6.Date of Establishment of IQAC**

**01/10/2018**

**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
Dr. Jyoti Digamber Nadargi	Women Scientist Scheme-A Funding by (DST)	Department of Science and Technology (GoI)	2021-22	750000
Dr. Imran M Chandarki	Seed Money	Punyashlok Ahilyadevi Holkar Solapur University, Solapur	2021-22	63000
Prof. Kiran S Patil	Seed Money	Punyashlok Ahilyadevi Holkar Solapur University, Solapur	2021-22	45000

**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** **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **No**
- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

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

- If yes, mention the amount

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

1. Planning of IPR-related workshop 2. Promoting faculty members to undergo FDP on 'Universal Human Values' conducted by AICTE 3. Preparation for PAHSU's Academic and Administrative Audit 4. NAAC related Orientation Programme for Newly Joined Teachers and all Non-Teaching Staff 5. Session on Outcome Based Education (Outcome Attainment Calculation)

**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
Sessions on IPR	Awareness among staff members about IPR activities
Session on Writing Proposals for Research Funding	Submission of good quality proposals to PAHSU, Solapur
Sensitization of newly joined faculty members about Quality Initiatives and NAAC related activities	Well aware faculty members and improved implementation
Preparation for University's Academic and Administrative Audit	Well prepared and presented during AAA committee visit

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

- Name of the statutory body

Name	Date of meeting(s)
Academic and Administrative Audit, PAHSUS, Solapur	12/07/2022

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

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	<b>N. B. NAVALE SINHGAD COLLEGE OF ENGINEERING, KEGAON, SOLAPUR</b>
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• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>02172500610</b>
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• State/UT	<b>Maharashtra</b>
• Pin Code	<b>413255</b>
<b>2.Institutional status</b>	
• Affiliated /Constituent	<b>Affiliated</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Urban</b>
• Financial Status	<b>Self-financing</b>

• Name of the Affiliating University	Punyashlok Ahilyadevi Holkar Solapur University, Solapur (Maharashtra)				
• Name of the IQAC Coordinator	Azharuddin K. Shaikh				
• Phone No.	8888499450				
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• Mobile	8888499450				
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• Alternate Email address	azharkms@gmail.com				
<b>3. Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/08/Updated-AQAR-2020-2021.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/08/Updated-AQAR-2020-2021.pdf</a>				
<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://sinhgadsolapur.org/EdSite/academic-calender/">http://sinhgadsolapur.org/EdSite/academic-calender/</a>				
<b>5. Accreditation Details</b>					
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Cycle 1	A	3.12	2018	26/09/2018	25/09/2023
<b>6. Date of Establishment of IQAC</b>			01/10/2018		
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<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>	
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>			<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>			<b>2</b>	
<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>No</b>	
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<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>			<b>No</b>	

• If yes, mention the amount	
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
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<b>13. Whether the AQAR was placed before statutory body?</b>	Yes
• Name of the statutory body	
Name	Date of meeting(s)
Academic and Administrative Audit, PAHSUS, Solapur	12/07/2022
<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
2022	22/12/2022



<p><b>15.Multidisciplinary / interdisciplinary</b></p>
<p>NBNSCOE, Solapur has been always at the forefront in inculcating the multi-disciplinary interdisciplinay approach amongst the students. Institute is affiliated to Punyashlok Ahilyadevi Holkar Solapur University. As per the model curriculum of AICTE, the University integrates various multidisciplinary / interdisciplinary courses and Choice Based Credit System into the syllabus through electives in basic science, humanities, social science, engineering science, management alongwith core engineering courses, which satisfy a comprehensive approach of NEP. Courses like Creativity and Design Thinking, Universal Human Values, Professiona Ethics, Entrepreneurship Development, Programming, Artificial Intelligence and so on... have been introduced in the curriculum of various branches. Every branch has specialised honors degree courses with advanced and cutting edge technology courses accross the engineering disciplines. In addition institute organises, innovation, incubation and startup activities through its Institute's Innovation Council. Students take up multi-disciplanry / inter-disciplinary projects like electric vehicle and also participate in multi-disciplinary competitions like Smart India Hackathon.</p>
<p><b>16.Academic bank of credits (ABC):</b></p>
<p>NBNSCOE, Solapur is affiliated to Punyashlok Ahilyadevi Holkar niversity, Solapur (PAHSUS). The curriculum framed by University follows the Choice Based Credit System (CBCS) pattern which includes sufficient scope for self-learning subjects, open electives, and professional elective subjects. PAHSUS offers Honors degrees in addition to a regular full-time degree course. Credit system structure is followed at university. The students of the institute have registered for the Academic bank of credits portal as per the guidelines provided by University and every student's ABC ID is shared with Examination department of University for linking credits of students with ABC Teachers at the institute are also preparing MOOCs that can be approved by University and further linked to ABC.</p>
<p><b>17.Skill development:</b></p>
<p>NBNSCOE, Solapur has always been very keen in providing skill based education to its students. Well designed Value Additipn Programmes are conducted by in-house teachers as well as outside agencies. Students are motivated to take up MOOCs, Hands on</p>

workshops, NPTEL courses, Swayam Courses. Students are also sensitized about courses on platforms like Coursera, Udemy, etc. Apart from this, students take up industrial trainings, internships, sponsored projects, etc. for skill development through hands on training. To impart the professional skills and organising skills, institute follows practice of promoting students to organise different curricular, co-curricular and extra-curricular activities, where students learn by experience. Various student clubs, student associations and institute level student council, help students to get leadership and team work skills. Institute facilitates skill development of students through various collaborations and MoUs with reputed organisations and industries.

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

NBNSCOE, Solapur through its vision statement clearly marks the inclusion and significance of "Value Based Education" in its academic implementation. Institute has always promoted a value based and all inclusive Indian culture. Considering the students requirements who usually come from poor socio-economic background, institute has a practice of multi-lingual teaching. Hindi and Marathi which are dominant Indian languages in the region, are blended with English in curriculum delivery by teachers. The various commemorative days in the name of National Leaders, Social Reformers, Historic Figures, Great Indian Scientists, etc. are celebrated in the institute. Thus, making the students understand the contribution of Indian Knowledge System to the various fields like democracy, social reforms, good governance, technology development, and so on... Students are promoted to take up new age vocational trainings and courses to empower themselves and make them more employable, as it used to happen in ancient Indian culture. Indian arts and Indian traditions are part of the annual cultural fest at the institute. All the languages are given due consideration in initiatives like wall magazine and college magazine. Marathi Bhasha Din and Hindi Bhasha Din are also celebrated at the institute. International Yoga Day is also celebrated at the institute.

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

NBNSCOE, Solapur has been implementing Outcome Based Education over the years. All the courses under every programme have clear Course Outcomes (COs). And, every programme has its well-defined Programme Outcomes (POs). In addition to generalised programme outcomes stated for Faculty of Engineering, every programme

(branch) has its own Programme Specific Outcomes (PSOs) in place. The course outcomes are mapped with programme outcomes to ensure the effective outcome attainment. Wherever there are any gaps found, necessary actions are taken to fill up these gaps. To assure the attainment of outcomes, formative assessment techniques like 'rubrics' are also used in assessment and evaluation of students. Various curricular, co-curricular and extra-curricular activities organised at the institute also have objectives and expected outcomes. In order to take students to higher level of outcome attainment, institute used to practice 'Project Based Learning Model' which is now supported by concepts like 'Product Based Learning' and 'Learning by Problem Solving'. Direct outcome attainment is obtained by academic assessment of students in classrooms, laboratory sessions and examinations. Feedback from students, examiners, employers, alumni, etc. are taken to measure the outcome attainment indirectly.

## 20.Distance education/online education:

NBNSCOE, Solapur has sufficient physical and IT infrastructure. The teachers at the institute are well acquainted with modern ICT tools. Institute has all the required ICT facilities to enable Distance / Online education. Institute has already demonstrated its capabilities in this arena, during the COVID pandemic wherein all the courses were effectively delivered online with the use of Google classrooms, Microsoft Teams, Google Meet, Gnomio (MOODLE) websites, FTP server, etc. Institute has established various remote centres like IIT Bombay remote centre, NITTTR remote centre and ISRO's IIRS Outreach Programme's remote centre. Also, MOOC platforms like NPTEL, Swayam, Udemy, Coursera are widely used at the institute. These remote centres and MOOC platforms facilitate distance/online education of students as well as teachers. Institute has collaboration with various Virtual Labs facilitated by COE(Pune), various IITs and other reputed organisations. These, virtual labs provide hands on experience to students through online mode. Institute and individual departments have their YouTube channels for imparting knowledge through online mode. Lectures by Industry Experts and Alumni working Globally have been organised in online mode for students and teachers.

## Extended Profile

### 1.Programme

1.1	6
Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1	1226
Number of students during the year	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2	165
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	404
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	82
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	80
Number of sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1 Total number of Classrooms and Seminar halls	32
4.2 Total expenditure excluding salary during the year (INR in lakhs)	6.46
4.3 Total number of computers on campus for academic purposes	533
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curricular Planning and Implementation</b>	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<p>Institute practices a well-defined structure for effective curriculum delivery. Workload distribution is carried out well before the commencement of semester. Course files as per policy of institute are prepared by teachers and verified by committee appointed by Principal. Academic calendar is prepared by considering all the requirements of curriculum and student development activities. Academic execution happens as per academic calendar to the extent possible. Teacher Guardian (Mentor) conducts online meeting every fortnight with students for any problems faced by students related to understanding of subjects. Same is communicated to subject in-charge through Head of Department. Review of feedback is taken in ICT Mode twice in a semester and corrective actions are taken accordingly. Evaluation of journal and assignments is done regularly. Timely reviews of syllabus completion are taken by HoDs and necessary corrective actions are initiated. At the end preliminary exams and Mock Practical and Oral Exams (POE) are conducted. Final ISE and ICA is displayed and students are asked to check for any grievances thus maintaining transparency in the process. Apart from curricular activities, institute conducts co-curricular and extra-curricular activities necessary for building overall engineers.</p>	

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://sinhgadsolapur.org/EdSite/academic-calender/">http://sinhgadsolapur.org/EdSite/academic-calender/</a>

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

An all-inclusive and transparent Continuous Internal Evaluation (CIE) system has always been a top priority at our institute. Institute believes in promoting activities addressing all graduate attributes for overall development of students. Institute updates its CIE norms as and when required as per requirements of PAHSU, Solapur and feedback given by different stakeholders from time to time. Institute conducted all curricular, co-curricular and extracurricular activities in ICT mode to facilitate norms of CIE even in the pandemic situation. Basic CIE system at institute incorporates all guidelines given by PAHSU, Solapur and requirements of overall development of students which include - mandatory fields like attendance in online theory sessions and practical in the form of virtual lab sessions, term work assessment, internal examinations assessment, internal oral examinations (mock oral examinations), etc. In addition to curricular parameters other parameters like participation of students in co-curricular, extracurricular and social activities. Institute prepares academic calendar before the commencement of every semester which is made available to students, teaching, non-teaching staff and also on website. This academic calendar includes all the essential activities of continuous internal evaluation prescribed by PAHSU, Solapur and the institute.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://sinhgadsolapur.org/EdSite/academic-calender/">http://sinhgadsolapur.org/EdSite/academic-calender/</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**

A. All of the above

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**

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

157

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
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)

10



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

269

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

**Gender related initiatives:** To address gender inequality, institute practices to provide equal opportunities to girls in various committees as coordinators/volunteers/participants, such as: Internal Complaint Committee (ICC), Student Council, NSS Cell, Technical Projects and activities, Anti-Ragging Committee, Hostel and Mess Committee, Departmental Students Association, Sports and Cultural Events, etc.

**Environmental and sustainability related initiatives:**  
Environmental Study is a common course for all second year students as per the PAHSUS curriculum. Institute takes efforts for participation of students in the campaigns like Save Electricity and Save Water. Institute has a vision to develop this as green campus and therefore following initiatives are taken: Sewage treatment plant, • Rain water harvesting, Tree plantation, Solid and liquid waste handling, Drip irrigation, Solar water heaters, LED lamps.

**Human Values and Professional Ethics related initiatives:** The self-learning subject of Humanity and Social Sciences? (HSS) is the common course for all the branches of Engineering. Institute has a



'Code of Conduct' for students and faculty members which includes self discipline, ethics and human values. In line with this curriculum, institute regularly conducts the events like 'Eid-E-Milan', 'Swami Vivekananda Jayanti', 'Constitution Day', 'Heartfulness Sessions', 'Financial Management'.

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	<a href="#">View File</a>
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

608

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

**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	<a href="http://sinhgadsolapur.org/EdSite/institute-feedback/">http://sinhgadsolapur.org/EdSite/institute-feedback/</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**

**C. Feedback collected and analyzed**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="http://sinhgadsolapur.org/EdSite/institute-feedback/">http://sinhgadsolapur.org/EdSite/institute-feedback/</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**

**255**

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

99

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

Students are admitted at First Year (FY) and Direct Second Year (DSY) through lateral entry. Initially, learning levels of students are identified on the basis of qualifying examination score. Inputs are taken from parents regarding learning abilities of their wards by Teacher Guardians (TG) visiting their homes (TG at home), which is unique culture of the institute.

NBNSCOE has developed a mechanism of continuous evaluation of students under which performance of students in practical-sessions, classroom interactions, In-Semester Examinations (ISE) and End-Semester Examinations (ESE) is assessed on regular basis.

#### For Advanced Learners:

- Special attention is given by teachers during practical and tutorial sessions
- Additional assignments are given
- They are encouraged to refer NPTEL Videos, e-books and software modules
- The students and their parents are felicitated during parents meet.
- Students undertake lab innovation, interdisciplinary

projects, value addition programmes, student presentations, internships and sponsored projects

#### Slow Learners:

- Special counseling of such students is done during TG meet and issues are discussed with parents.
- Subject wise counseling is done by respective teachers.
- If required, re-examination of ISE is conducted for students.
- Model solutions of ISE & ESE are provided to these students.
- Self learning sessions are arranged after college hours for FY students

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/#">http://sinhgadsolapur.org/EdSite/#</a>
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
1226	82

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

Vision and mission statements of the institute focus on experiential and participative learning by incorporating PBL model in teaching-learning process. Institute has formulated CIE norms which help students to earn additional marks for participation in PBL activities.

#### Experiential Learning

- Students undergo in-plant training, interdisciplinary projects, industrial visits and internships in industries and present case-studies.

- Well tailored student enrichment programs under VAP are arranged by respective departments as per thirst of industry. These programs include training and hands-on sessions.
- Students conduct interviews of entrepreneurs to get the insights of entrepreneurial activities.

**Participative Learning**

- The institute organizes different activities for students as well as promotes them to participate in various competitions held at local, national & international levels.
- The activities organized by institute include Student Development Programs, Workshops, Conferences, Technical festivals and project competitions.
- Students are informed about competitions through different advertisements, campaigns & discussions in TG meet. Further, institute facilitates students by offering round the clock facilities of workshop, laboratories, library & WiFi.

**Problem Solving Methodologies**

- Second-year and third-year students undertake lab innovations & mini- projects
- Students are advised to work on real time industrial problems
- Final year students are advised to undertake survey for identifying societal problems

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2021/09/Academic-cum-Activity-Calendar.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2021/09/Academic-cum-Activity-Calendar.pdf</a>

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

Teachers at NBNSCOE effectively use ICT tools in curriculum delivery. Teachers include videos, power-point presentations, case studies and share them with the students during lectures with the help of LCD projectors. Students are asked to refer good websites

for acquiring knowledge about the recent happenings in the field and associated research. In addition to this, the teachers at NBNSCOE use moodle (local server as well as gnomio sites) for sharing study material and conducting online quizzes for students. Also, Google classrooms are created by teachers. Online meeting tools like Microsoft Teams and Google Meet are used to have online discussions and lectures. Student presentations are included in CIE of the institute, where students are made to use all the ICT facilities and tools. Thus, making them compliant with the requirements.

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

48

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

82

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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

10

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

578

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.

NBNSCOE adheres to its CIE framework which maintains transparency and robustness in continuous evaluation of students. These norms are reformed periodically and communicated to the staff and students through well defined mechanism.

The important parameters of CIE system are:

1. Attendance of students in Theory, Practical, TG, LCD, T&P sessions
2. ISE and preliminary examination, Continuous Assessment
3. Mock practical/oral examination
4. Students' performance in prior examinations
5. Students' involvement in PBL activities
6. Students participation in extracurriculars
7. Students' performance in softskill activities

To maintain the transparency and robustness:

- The CIE norms are displayed on notice boards.
- CIE norms are discussed by Teachers
- Assessments are carried on regular basis.
- ISE and preliminary exam marks are displayed on notice-boards.
- Evaluated answer-sheets of ISE & preliminary examination are shared with students for doubt clearing.
- Mock practical/oral examination is carried out to assess the preparation of students for University examinations.
- TGs collect the records of students' performance in co-curricular and extra-curricular activities for over and above marks.
- Finally, Internal Continuous Assessment (ICA) marks are displayed on notice board and any grievances reported by students are addressed.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2017/05/TW-Norms.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2017/05/TW-Norms.pdf</a>

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

Institute has two levels of grievance redressal mechanisms: one to address grievances in internal examinations and other one to deal



with grievances SUS examinations.

- The Institute has separate Internal Examination Committee which takes care of invigilation, smooth conduct of examination, assessment and internal grievances. Internal examination related grievances are addressed to quality of question papers, conduct of examination, evaluation of answer sheets. Every teacher evaluates the answer sheets of internal examinations within three to four days of conduction of examination. The evaluated answer sheets are distributed to the students and critical cases are discussed in the class. The grievances (if any) reported by students after going through their answer sheets are addressed and changes in marks (if any) are incorporated in the database accordingly.
- During University exams, flying squad appointed by University visits the examination office & examination venues to inspect functioning of associated activities and personnel. The institute facilitates the redressal of grievances related to University examinations through notices displayed on notice boards on regular basis and communication with university examination office as and when required.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://www.sus.ac.in/examination/Student-Helpline">http://www.sus.ac.in/examination/Student-Helpline</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.

The institute is affiliated to Solapur University, Solapur. Therefore, the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are well defined and stated in the University Curriculum. Significant number of teachers of the institute actively participate in syllabus formation process of SUS where they contribute in stating POs and COs according to the expectations of stakeholders. Apart from these stated outcomes, institute defines its own COs for different activities. Institute takes due care for informing POs and COs to all the stakeholders. POs and COs for all programs and courses offered by the

institution are displayed on institute website for reference of all stakeholders. Teachers refer SUS syllabus to understand POs and COs thoroughly before delivering the courses to students. Teachers write COs of their respective course in the attendance registers and refer them while executing the teaching plan. Induction programs help students to understand the POs and COs. Even teachers discuss POs and COs of respective program and course with students during theory and practical sessions. The feedback of attainment of these COs and POs is been taken by every teacher guardian from the students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="http://sinhgadsolapur.org/EdSite/mech-peospospsos/">http://sinhgadsolapur.org/EdSite/mech-peospospsos/</a>
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.

To measure the attainment of outcomes, institute has developed mechanism as follows:

**Continuous evaluation during semester:** As institute practices CIE, candidate is continuously assessed (CA) by the respective subject teacher during practical/tutorial sessions. Through analysis of CA and ISE, TGs review attainment of outcomes in their fortnight meetings.

**Evaluation at the end of semester:** At the end of every semester preliminary and mock practical/oral examinations are conducted. Every teacher ensures the attainment of respective COs by evaluating students' performance.

**Evaluation at the end of academic year:** Students' performance is evaluated at the end of every academic year through analysis of University examination (theory and practical/oral) results. It gives understanding of attainment of COs of the courses undertaken by the students during the academic year. It also helps in mapping attained COs with prescribed POs.

**At the graduation level:** At the time of completion of graduation, students' overall performance throughout their education is

analyzed. Performance in final university examinations, project work, placements, GATE/competitive examinations and participation of students in holistic developmental activities are included in the analysis.

**Feedbacks from stakeholders:** Regular feedbacks are taken from all the stakeholders to analyze the level of attainment of COs, POs and PSOs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="http://sinhgadsolapur.org/EdSite/mech-peospospsos/">http://sinhgadsolapur.org/EdSite/mech-peospospsos/</a>

### 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

372

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	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-2.6.3-Total-number-of-final-year-students-who-passed-the-university-examination.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-2.6.3-Total-number-of-final-year-students-who-passed-the-university-examination.pdf</a>

### 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://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-2.7.1-Student-Satisfaction-Survey-21-22.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)**

9.45

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**

5

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**

2

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://dst.gov.in/?msclkid=756b1a65aa7111ecb0e0ab9fd2d72d4f">https://dst.gov.in/?msclkid=756b1a65aa7111ecb0e0ab9fd2d72d4f</a>

### 3.2 - Innovation Ecosystem

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

Institute arranges activities to create a vibrant local innovation ecosystem and to develop better cognitive ability amongst students and faculties by catering their needs for supporting and disseminating culture of startup/entrepreneurship of social relevance in campus to boost education system there by contributing to the social, economic and national development. Government of India's vision of "Atmanirbhar Bharat" for strengthening entrepreneurial activities at HEIs, NBNSCOE has started to initiate various activities related to Entrepreneurship Development cell has created an environment for students to nurture innovative ideas.

Expert talk was arranged on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer through which students are made aware about innovative practices. Similarly, a Workshop on Design Thinking, Critical thinking and Innovation Design was also conducted so as to shape their 'Critical thinking'. Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre was also an attempt to hands on experience and field exposure to the patent process or process of incubation center. Another Session was conducted on Business Model Canvas (BMC). Panel discussion was held with innovation and Start-up Ecosystem Enablers from the region/state/national level. A Session was organized on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp (or) Mentoring Session. Session on Accelerators/Incubation - Opportunities for Students & Faculties and Early-Stage Entrepreneurs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/industry-institute-cell/">http://sinhgadsolapur.org/EdSite/industry-institute-cell/</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

8

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

5

File Description	Documents
URL to the research page on HEI website	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-3.3.1-PhD-Guides-and-Research-Scholar-Details.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-3.3.1-PhD-Guides-and-Research-Scholar-Details.pdf</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**

27

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**

8

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 are carried out for the overall development of the students. Through these activities students understand their social responsibility in the society, which ultimately make them a responsible citizen of the country. A guest lecture was arranged on the occasion of " SHIVSWARAJYA DIN " in which Dr. Chandrakant Chavhan threw a light on various aspects of Chatrapati Shivaji Maharaj.

COVID Vaccination camp was arranged in association with Public Health Center (solAPUR Municipal Corporation) Bale Solapur for the students, parents & teachers.

NSS unit of the college arranged a blood donation camp was arranged in which Akshay Blood bank was called for the Blood donation activity.

"MAZI VASUNDHARA" is an initiative by Government of Maharashtra. Students of NBNSCOE also participated in this campaign and planted the trees nearby college area.

International Women's Day was celebrated through which various activities were carried out for the empowerment of the women.

A guest lecture was arranged in order to sensitize students about "SAVE SOIL" in association with ISHA OUTREACH" .

To make students health conscious , International Yoga Day was arranged in which Yoga Teachers have been called and demonstrated the various YOGASANA'S.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2021/09/Academic-cum-Activity-Calendar.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2021/09/Academic-cum-Activity-Calendar.pdf</a>
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

2

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



7	
File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>
<b>3.4.4 - Number of students participating in extension activities at 3.4.3. above during year</b>	
<b>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</b>	
578	
File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>
<b>3.5 - Collaboration</b>	
<b>3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year</b>	
<b>3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year</b>	
52	
File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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**

33

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.

The institution has adequate instructional, amenities and circulation area as per AICTE norms. It has a sufficient number of computers and has a 100 MBPS internet connection.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/mechanical-engineering/">http://sinhgadsolapur.org/EdSite/mechanical-engineering/</a>

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

Institute provides adequate facilities for psychological and physical development of students. The student welfare cell organizes different competitions at institute level. Institute organizes annual social gathering and sports through student

welfare cell, which includes all kind of sports and cultural events. Institute provides separate Recreation Hall and Gymnasium for students. For students participating at higher level competitions, institute provides financial assistance in the form of T.A. and D.A. and also separate sports kit is made available to individual students. Cultural coordinator handles all the cultural activities happening in the institute and also promotes students to participate at university level competitions. It helps students to showcase their inherent talent and improves their stage courage. The details of all available indoor and outdoor sports facilities with well-equipped Gymnasium are as follows:

Sr. No.

Available Sports facility for

Year of establishment

Area allotted in Sq.mtrs.

1

Volley Ball

2010

200

2

Kabaddi

2010

35

3

KHO-KHO

2010

250

4

**Carom**

2011

144

5

**Chess**

2011

144

6

**Table tennis**

2011

144

7

**Cricket**

2012

17662.5

8

**Foot ball**

2012

5000

9

**Hand Ball**

2014

200

10

Fencing

2014

144

11

Athletics

2015

400mtrs x8 lane

12

Gymnasium

2015

288

13

Yoga

2016

144

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/facilitie/s/">http://sinhgadsolapur.org/EdSite/facilitie/s/</a>

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

95

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/mediacenter-recording/">http://sinhgadsolapur.org/EdSite/mediacenter-recording/</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)

64.61

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

The library is automated using Integrated Library Management Systems with different software's like Vidyasagar Software ERP (Library Management Systems- LMS), M-OPAC etc. The details of procurement of software, procurement year, version according to the academic year is as tabulated below.

Year

Name of the ILMS Software

Nature of automation (fully or partially)

Version

Vendor

Cost Rs. /-

Invoice N

2022-2023

Vidyasagar Software

partially

4.0

Easy And Useful IT Solutions, Kolhapur

30,000/-

Invoice No.1

Date-04/04/2022

2016-2022

Master Soft ERP - Lib-Man (Library Management System)

partially

10

MasterSoft ERP - Solutions Pvt.Ltd. Nagpur

50,000/-

83/ERP/2015-16 dt.-31/03/2016

2016-2019

M-OPAC

Fully

NA

MasterSoft ERP - Solutions Pvt Ltd Nagpur

15000/-

83/ERP/2015-16 dt.-31/03/2016

2015-2016

EasyLib

partially

6

Fidelity Coding Marking Solutions, Pune

31,500

0910/03/9115/INV067 dt.30/03/2010

2014-2015

EasyLib

partially

6

Fidelity Coding Marking Solutions, Pune

31,500/-

0910/03/9115/INV067 dt.30/03/2010

2013-2014

EasyLib

partially

6

Fidelity Coding Marking Solutions, Pune

31,500/-



0910/03/9115/INV067 dt.30/03/2010

2012-2013

EasyLib

partially

6

Fidelity Coding Marking Solutions, Pune

31,500/-

0910/03/9115/INV067 dt.30/03/2010

2010-2012

EasyLib

partially

6

Fidelity Coding Marking Solutions, Pune

31,500/-

0910/03/9115/INV067 dt.30/03/2010

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://sinhgadsolapur.org/EdSite/facilitie/s/#">http://sinhgadsolapur.org/EdSite/facilitie/s/#</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**

**B. Any 3 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)

0.55631

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

22

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

The facilities of IT Infrastructure of the Institute are updated continuously as per requirements. The institute has a sufficient number of computers and software packages in place as per the requirements of the curriculum prescribed by the university. The institute has internet bandwidth which has been upgraded as per

the institute requirement and keeping a view of making Wi-Fi enabled campus. The total bandwidth is divided into the groups created in firewall. The users can access the internet facilities by using LAN & Wi-Fi connection within the Campus. The internet bandwidth upgradation is as follows: -

Academic Year

Upgradation of Bandwidth

Date of Installation

Nature of Upgradation

2021-22

100 Mbps

01/04/2022

1:1 Fiber ILL

2020-21

50 Mbps

07/10/2017

1:1 Fiber ILL

2019-20

50 Mbps

07/10/2017

1:1 Fiber ILL

2018-19

50 Mbps

07/10/2017

1:1 Fiber ILL

2017-18

50 Mbps

07/10/2017

1:1 Fiber ILL

2016-17

40 Mbps

06/10/2016

1:1 Fiber ILL

2015-16

20 Mbps

10/04/2015

1:1 Fiber ILL

2014-15

10 Mbps

22/02/2010

1:1 Fiber ILL

2013-14

10 Mbps

22/02/2010

1:1 Fiber ILL

2012-13

4 Mbps

22/02/2010

**1:1 Fiber ILL**

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

**4.3.2 - Number of Computers**

533

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

0.95

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.

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. Institute has established transparent and robust procedure for the utilization and maintenance of all physical, academic and support facilities and is well communicated among all the staff members. Institute has established Sewage Treatment Plant in the campus for the treatment of liquid waste and this water is reused for gardening purpose which maintains the greenery in the campus. In view to develop excellence in the respective field, academic facilities are supported by well-maintained and timely updated library. There is separate facility of digital library for enrichment of information. Library is available 24 X 7. Separate reading rooms are available for girls and boys. Well-equipped Gym and indoor sports facility are available for overall development of students. A policy entitled "Guidelines for Internal Communication" is also available on the website of the Institute. This policy defines the organization chart, parallel positions, reporting procedure etc. It also defines action to be taken in case these guide lines are violated.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2021/08/4.4.2.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2021/08/4.4.2.pdf</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

1170

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

43

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://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-5.1.3-Capacity-building-and-skills-enhancement-initiatives.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-5.1.3-Capacity-building-and-skills-enhancement-initiatives.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**

376

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

376

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

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

A. All of the above



File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<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

188

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

4

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**

3

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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.**

1

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 )

**NBNSCOE is committed to promote student leadership and organizational skills through the different initiatives taken at institute level.**

**Student Council:** The Student Council (SC) of institute contributes and supports in the overall development of students. SC has following composition:

1. General Secretary
2. Sports Secretary
3. Cultural Secretary
4. Ladies Representatives
5. NSS Secretary
6. Technical Secretary
7. All Class Representatives

The role and responsibilities of SC mainly include smooth conduction and organization of events and maintaining academic ambience. Members of SC are actively involved in planning and executing technical, social, techno-social, sports and cultural activities initiated by the institute. SC helps in promoting and implementing institute's PBL model through its members (CRs). Also, SC coordinates functioning of departmental student associations in the institute and provides necessary inputs for overall development of students.

• Representation of students on academic & administrative bodies/committees is available in following cells/committees:

1. IQAC
2. ICC
3. Anti-Ragging Committee
4. NSS
5. Technical events Committee
6. Magazine Committee
7. Students Associations
8. Sports and Cultural Committee

**9. Hostel and Mess Committee**

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/student-centric/">http://sinhgadsolapur.org/EdSite/student-centric/</a>
Upload any additional information	No File Uploaded

**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**

3

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

Institute has established "NBNSCOE Alumni Association" (NAA) on 16th October, 2015 under the Society Registration Act, 1860 with registration No- Maha-731/2015.

NAA has organizational structure as President, Vice-President, Secretary, Treasurer and members. It has total 9 members on this committee where there are 4 alumni who are the part of this committee. One dedicated staff has been appointed for the coordination of the Alumni cell. This coordinator keeps the track of our alumnus and also communicates happenings in the institute. These committee members meet twice in a year. Becoming the member of alumni association is one of the easiest ways to reconnect,

give back to the institute, and serve as a springboard for further involvement.

Alumni Cell organizes the annual alumni meet on last Saturday of February.

Our alumni are serving their alma mater in following ways-

1. Participation in the training as resource person.
2. Regularly delivering expert lectures.
3. Evaluating various technical events.
4. Helping their juniors for getting the placements.
5. Suggesting modifications in the curriculum.

NBNSCOE Alumni Association (NAA) has initiated Arjun Award (for Sport activities) and Vikram Award (for Technical activities) for the students representing our institute at different university, state, national & international competitions.

In the year 2021-22 , four hundred seventy one students have enrolled themselves in the Alumni Association. Funds collected in this year is Rs. 2,35,500/-

In the 2020-21, cash prize amount of Rs. 5000/- and cash prize amount of Rs. 2000/- have been awarded to the eligible students from NAA funds.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/alumni/">http://sinhgadsolapur.org/EdSite/alumni/</a>
Upload any additional information	No File Uploaded

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

**D. 1 Lakhs - 3Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

**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

**Nature of Governance:** The Governing Body and CDC act as a top management and carry a responsibility to take policy decisions. The IQAC is formulated to ensure the quality enhancement.

**Perspective Plan:** The institute has designed its perspective plan for next five years as follows:

- To obtain the accreditation from competent authorities
- To get the approval for Research Center from PAHSUS.
- To procure high quality sophisticated equipments through funding from Government/Non Government organizations for enhancing research and consultancy.
- To establish the centre of excellence in respective areas by signing MoUs with industries/Organizations.
- **Participation of Teachers in Decision Making Bodies:** Teachers are the most important part of teaching learning process. Hence they are involved in all major decision makings. The teaching as well as non teaching staff members are nominated in all the apex bodies like CDC, Governing Body and IQAC. The policies and Strategic Plans are decided in the periodic meetings. Implementation is carried out based on the decision taken in the regular meetings after getting the approval from the management. Periodic review is taken during implementation process.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf</a>
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.

**The institution practices decentralization and participative**

management. Institute believes in participative management and hence the powers are decentralized. Academic decentralization is done through Vice Principal (academics) with the support of Head, faculty members and other staff of various departments. Administrative decentralization is achieved through Vice Principal (Admin) in coordination with registrar and other support staff from office. Students affairs are dealt through Dean (Students welfare) in association with HODs and students council and faculty members. Institute provides guidance and counseling. Deploying staff for STTPs/ workshops/ training programmes is identified by the departments. However all the activities need prior approval of the Principal and the management, if necessary. This decentralization reduces wastage of time in decision making addressing students and staff issues more effectively and quickly. HoDs participate in weekly meetings conducted by Principal and Vice-principals and they have their own meetings at departmental level. Most of the events are coordinated by concerned coordinators and responsibilities and roles are shared by student volunteers and office bearers of departmental student associations.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf</a>
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

Curriculum does not necessarily cover all the aspects important for overall development of students and career development up to the mark. Hence, from view point of overall development, various strategies have been drawn for training students continuously. Plans are prepared by concerned departments to train students in soft skills and interpersonal relations, various core subjects for advancements in the same under value addition program, for handling field conditions, for current practices through a series of expert lectures on various topics, through participation in practical solution of simple problems etc. Institute also provides students an opportunity to avail various training programs that help them prepare for GATE, Competitive exams, placements or acquiring attributes necessary for developing them as entrepreneurs. Project Based Learning is our motto. Most of the problems in real life are interdisciplinary in nature so

institute encourages students to take interdisciplinary projects. The strategy was developed as follows-

- Small projects of lab innovations and Value Addition programs are made compulsory to the students of Second Year and Third Year
- The VP (Academic) takes the periodic review of the completion of this activity and guides further improvements.
- For final year students, students themselves will form the interdisciplinary group and choose a project in consultation with guide.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/academic-calender/">http://sinhgadsolapur.org/EdSite/academic-calender/</a>
Upload any additional information	<a href="#">View File</a>

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.

Organizational structure of the Institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism Organizational Structure of NBN SCOE: The Governing body is the apex body of the institute followed by LMC (Local Managing Committee). The Principal is the Head of the Institution. Principal is followed by VP Academics, VP Administration, Dean Student Welfare and Registrar. The registrar is responsible for the day to day activities concerning the administrative office. Similarly, the Librarian, T&P Officer and Alumni coordinator report to the Principal.

Service rules, procedures, recruitment and promotional policies: The recruitment of the teaching and non teaching staff members, their service rules and promotional policies are as per the rules and regulations of All India Council for Technical Education, Government of Maharashtra and Solapur University, Solapur.

Grievance redressal mechanism: The Grievance Redressal Committee is formed as per the guidelines issued by AICTE. The ombudsman is



appointed by Solapur University, Solapur, in case the applicant is not satisfied with the result of the committee and wishes to appeal to the University. The institute has developed the online grievance system for all the stake holders including students and parents.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf</a>
Link to Organogram of the institution webpage	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.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

#### Teaching Staff

- Staff Welfare Fund
- Financial Support to attend Conferences/Workshops etc.
- Provision of Study Leave

**Non-Teaching Staff**

- Staff Welfare Fund
- Financial Support to attend Conferences/Workshops etc.
- Provision of Study Leave

**Students**

- Earn While Learn Scheme
- Training from professional agencies
- Cocurricular and Extra Curricular activities
- Teacher Guardian scheme for personal development

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

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

8

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**

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<a href="#">View File</a>
Reports of Academic Staff College or similar centers	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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

65

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
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

Institution has Performance Appraisal System for teaching and non-teaching staff. The offline process of appraisal is as follows

1. The employee fills appraisal form each year and submits to the

concerned HoD or immediate superior.

2. After viewing the details filled by the employee the HoD if agrees to the information filled, puts his remark and forwards to the Principal.

3. The Principal after receipt of the form, calls the employee personally for the discussion and discusses on his/her strengths and weaknesses and qualities with which he/she is rendering the services. Finally takes decision on performance.

4. Based on the recommendations/adverse remark of the Principal, the Office Order is issued to the concerned staff member accordingly. If the performance of the staff is not up to the mark the Head of department issues the warning notice/Memorandum. The institute offers enough time period for the improvement of the performance to such employees. If the employee receives more than three notices or memorandums in one appraisal period, he/she is recommended for the administrative action as per the rules.

Apart from this, institute has its own online portal for appraisal of teaching staff maintained by Head office of Sinhgad Institutes.

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

#### 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

Our NBNSCOE, Kegaon, Solapur Institute is run by (Savitribai Phule Shikshan Prasarak Mandal having registration office at Kamlapur, Tal- Sangola, Dist-Solapur with registration No. F-5409. SPSPM having 03 Education Campuses at 1) Kamlapur, Tal- Sangola, 2) Korti, Tal - Pandharpur 3) Kegaon - Solapur In Kegaon, Solapur Campus there is CBSE affiliated Public School run by SPSPM other than Engineering Institute. Our Branch Auditor CA - Nitin Kudale use to audit both the institutes as per the requirement / periodically. Then Campus accounts reports are generated depending upon both institutes' accounts. Statutory Auditor CA - K. S. Mali finalizes our Society Statutory audit report. Internal Audit is

also separately maintained by our head office.

File Description	Documents
Paste link for additional information	Nil
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)

44.43 lakhs

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

##### 6.4.3

The major source of the funding is Tuition fee from students (Government supports Backward class students in terms of scholarships) in addition to revenue generated from Testing and consultation, Charges for conducting online/offline examination from outsiders, Charges levied to research organization to carry out collaborative research. Since this is a self financing institution, Funds so generated are utilized for salary and other expenses of the institution.

- Fee of students is decided and approved by the Fee Regulating Authority as per the norms. Salary expenses include salary paid to teaching, non teaching and guest lecturers and non salary expenses include Purchase of Equipments, maintenance , Infrastructure maintenance, Furniture, Repair and maintenance, Office expenses, Printing & stationary and miscellaneous expenses etc.

- The funds are utilized in accordance with the budgetary provisions made by the LMC and with prior approval of the management.
- The purchase committee is formed to monitor and to negotiate on the rates of purchase of any material whose cost is more than Rs. 10,000/-. Call for quotations are floated on website of institute [www.sinhgadsolapur.org](http://www.sinhgadsolapur.org).
- So long as practicable, the simple tools and equipments, furniture are fabricated in institute's labs/workshops. Unless necessary maintenance jobs are not allocated to outsiders

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/tenders-quotations/">http://sinhgadsolapur.org/EdSite/tenders-quotations/</a>
Upload any additional information	No File Uploaded

## 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

Internal Quality Assurance Cell (IQAC) at NBNSCOE, Solapur is always actively involved in institutionalising and channelising the quality strategies and policies at the institute. IQAC contributes in regular administrative and academic meetings being conducted at the institute. IQAC conducts different feedbacks through coordinators and HoDs. The analysis of the same is discussed in regular meetings at institute level. IQAC also conducts Student Satisfaction Survey on regular basis. A full fledged academic cum activity calendar is drafted and discussed and then finalised for every semester for effective implementation of curriculum and student development activities. Institute's Startup Policy has been framed and communicated to different stakeholders through website and discussions. IQAC also supports IIC and ARIIA activities being carried out at institute under Ministry of Education's Innovation Cell wherein the institute has received recognition and rankings at national level. IQAC is also working for preparation of the Academic and Administrative Audit conducted by PAHSU, Solapur.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf</a>
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

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 department levels for assuring quality in 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. IQAC coordinators (central /departmental) are part of these meetings. All inclusive academic-cum-activity calendar of the institute is part of the main agenda in such review meetings. Review of last week and current week activities scheduled in calendar is taken and planning for upcoming activities is discussed. Thus, assuring proper execution and follow up of activities planned for overall development of students. Apart from this, coordinators follow a practice of timely submission of activity reports. Recently, IQAC has started conducting annual presentations of all the central coordinators and HoDs to review the annual performance of past year and discuss the plan for achieving the desired outcomes in upcoming year.

File Description	Documents
Paste link for additional information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-6.2.2-Organogram.pdf</a>
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**

**B. Any 3 of the above**

**initiatives with other institution(s)  
Participation in NIRF any other quality audit  
recognized by state, national or international  
agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="http://sinhgadsolapur.org/EdSite/">http://sinhgadsolapur.org/EdSite/</a>
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

#### **a) Common Room:**

- Common Rooms and sick rooms are available.
- Vending machines for sanitary napkins in Girls common room

#### **b) General:**

- The Internal Complaint Committee (ICC) has been formed and contact details of its members are displayed at prominent places.
- Reservations for female candidates and their representation are strictly adhered to norms.
- In institute for female staff maternity leaves as per rules are provided.
- There is no discrimination in pay, fees, perks, amenities, accountabilities, responsibilities, powers, recognitions etc.

#### **c) Regarding Safety and Security**

- Highly secure campus guarded by adequate number of security guards working 24x7.
- Anti ragging committee has been constituted and contact



details of its members are displayed at prominent places.

- Female faculty on campus visits ladies hostels.
- Full time wardens are available in hostels.
- Security personnel accompany girls from library to hostel during nightstudies.
- Transport facility (24X7) for emergencies is available.
- Reserved seats for females are available in institutional transport buses.

d) Institutional Initiatives to address gender sensitivity issues:

- International Women’s Day is celebrated.
- Awareness workshop against sexual harassment conducted.

File Description	Documents
Annual gender sensitization action plan	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-7.1.1-Promotion-of-gender-equaiity.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-7.1.1-Promotion-of-gender-equaiity.pdf</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="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-7.1.1-Promotion-of-gender-equaiity.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/07/B-7.1.1-Promotion-of-gender-equaiity.pdf</a>

<b>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</b>	<b>C. Any 2 of the above</b>
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File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Waste from staff quarters kitchens, messes, canteens, snack-bars and leftovers are identified and collected separately. These

wastes along with biomass available from the campus after grazing trees and lawns are taken for composting. The manure so produced is utilized for maintaining vegetation in the campus. Remaining organic waste from sanitary annexes of staff quarters, hostels and institute premises is collected using severing line. The sewage treatment plant of Capacity 750 m<sup>3</sup> /day worth rupees 26, 25,000/- was installed in the year 2013-14 treats sewage and its output is used for gardening purpose.

Paper waste, cardboards, carton boxes, used files etc are sold to external agency for recycling after frequent intervals. Scrap from different workshop is used to manufacture various articles like paper weight, mementos etc under the heading of "best from waste" to help our students to gain hands on practice and at the same time to reduce our expenses, wherever possible. The remaining waste from workshop is sold out to outside vendors.

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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

B. Any 3 of the above

<p><b>vehicles</b></p> <p><b>3. Pedestrian-friendly pathways</b></p> <p><b>4. Ban on use of plastic</b></p> <p><b>5. Landscaping</b></p>	
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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	<a href="#">View File</a>

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

<p><b>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</b></p>	<p><b>B. Any 3 of the above</b></p>
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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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>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</b></p>	<p><b>B. Any 3 of the above</b></p>
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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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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).

**Code of conduct for teachers:**

For teaching staff member Code of conduct is designed and circulated among them. HoD of different departments and Principal take proper follow up regarding the same.

**Code of conduct for students :**

'Humanity and Social Sciences' (HSS) is the self-learning subject which is common course for all the branches of Engineering at fifth semester as per PAHSUS curriculum which has five electives.

Understanding the need of inculcating human values and professional ethics among engineering graduates, they are encouraged to opt for 'Professional Ethics Human Values'.

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

Institute has a well-designed code of conduct for teachers and students which is circulated amongst teachers and students and also displayed at relevant places throughout the campus. 'Humanity and Social Sciences' (HSS) is the self-learning subject which is common course for all the branches of Engineering at fifth semester as per PAHSUS curriculum. It helps students in understanding the need of inculcating human values and professional ethics among engineering graduates. Also, students undergo development through a mandatory course on 'Universal Human Values' at first year. On Constitution Day, students and teachers read out the preamble of the Indian constitution and pledge to abide by the Indian constitution in terms of values, rights, duties and responsibilities of citizens. Also, teachers and students pledge to participate actively in democracy by exercising the right to vote whenever there are elections in the region.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">Code of Conduct, Course on Universal Human Values, Course on Human Values &amp; Professional Ethics, Celebration of Indian Constitution Day, Pledge to participate in democracy through voting by students and teachers.</a>
Any other relevant information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2017/10/Code-of-Conduct.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2017/10/Code-of-Conduct.pdf</a>

**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	<a href="#">View File</a>

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

Following days are celebrated or events are organised at the institute every year:

Independence Day, Republic Day, Maharashtra Day

3rd January: Birth Anniversary of Savitribai Phule

14 April : Birth Anniversary of Dr. Babasaheb Ambedkar

27th July: Death anniversary of Dr A P J Abdul Kalam

5th September :Birth Anniversary of Dr S Radhakrishnan

15th September: Birth Anniversary of Sir M Visvesvaraya

2nd October: Birth anniversary of Mahatama Gandhi and Lal Bahadur Shastri (2nd October)

Apart from this, various days like Savitribai Phule Birth Anniversary, Punyashlok Ahilyadevi Holkar Birth Anniversary, World entrepreneurship day, Women's day, etc. are also celebrated at the institute.

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	<a href="#">View File</a>

## 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 Practice 1:

#### 1. Title: Project Based Learning

#### 2. Context:

Learners who are going to be future professionals and problem solvers, need to develop the mentality of problem finding and solving:

#### 3. Objectives:

- a. practical applications of the concepts learnt in class.
- b. industrial sponsored and real time projects

#### 4. Practice:

- a) Lab innovations
- b) Interdisciplinary projects
- c) Product based projects
- d) Value Addition Programs

#### 5. Obstacles Faced and Strategies Adopted

Less number of industries in the local region. To overcome this, institute has signed MoUs with industries from cities like Pune.

6. Impact of the Practice:

a. Improvement of students in understanding implementation of concepts for problem solving

b. Achieving skills required for the professional practice

7. Resources required:

a. Teachers with PBL mindset

Best Practice 2:

1. Title: Student Development Program

2. Objectives:

a. Assist students to develop their academic and career interests

b. Help students to achieve their short-term and long-term goals

3. Context:

There is rigorous requirement for putting extra effort on training students as majority of students in institute are come from poor socio-economic background. Leadership quality

4. Practice:

To have effective training of students, institute has initiated following activities:

1. Student presentations

2. Student training: Communication-skill, Soft-skill, Aptitude, Pre-placement-training

5. Obstacles Faced and Strategies Adopted

Students coming from poor socio-economic background fail to understand importance of initiatives. To overcome this, the mentoring scheme at institute is mobilised.

6. Impact of Practice:



By implementing this In-house Student Development Programme enhanced placements are achieved.

## 7. Resources Required:

### a. Training of teachers

File Description	Documents
Best practices in the Institutional website	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/05/B-7.2.1-Best-practices.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/05/B-7.2.1-Best-practices.pdf</a>
Any other relevant information	<a href="http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/05/B-7.2.1-Best-practices.pdf">http://sinhgadsolapur.org/EdSite/wp-content/uploads/2022/05/B-7.2.1-Best-practices.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

In line with Aatmanirbhar Bharat, a mission of Government of India; NBNSCOE has worked on strengthening entrepreneurial activities. Institute has established its Institutions Innovative Cell (IIC) as per guidelines of Ministry of Education. IIC follows the activity calendar given by MIC and also undertakes additional entrepreneurial and innovation activities. Project Based Learning has been a distinctive practice of NBNSCOE, since 2014, in addition to this, now 'Project to Product' and from 'Lab to Market', these concepts have been implemented by NBNSCOE through its IIC. IIC in association with EDC organizes seminars, webinars, guest lectures, workshops so that students get better exposure for developing innovative ideas. Exposure regarding IPR is also given to students so that innovative ideas can be nurtured and converted into good products. IIC had been previously awarded 4.5 stars out of 5 star rating, now its star rating is 3.5 out of 4 stars. In addition to this institute has received very good ARIIA ranking. These initiatives and achievements of the institute in the arena of Innovations and Entrepreneurship make it outstanding in the region. NBNSCOE believes that in near future Solapur region can become a hub for industries and our institute plays a major role to produce more innovators leading towards launching of startups.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

1. Upgrade in implementation of Outcome Based Education
2. Promoting faculty members to undertake NEP related activities
3. Organising national / international conferences
4. Planning for preparation of cycle-II of Assessment and Accreditation by NAAC
5. Organising Faculty Development Programmes and Workshops