



YEARLY STATUS REPORT - 2022-2023

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 **iqac.nbnscoe@gmail.com**

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

<http://sinhgadsolapur.org/EdSite/>

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
Cycle 1	A	3.12	2018	26/09/2018	25/09/2023

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
Computer Science Engineering	Smart India Hackathon	Ministry of Education	2022-23	100000

8.Whether composition of IQAC as per latest

Yes

NAAC guidelines

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year 02

- 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. Promoting faculty members to undertake NEP related activities 2. Organising UG conference for students 3. Promoting students to participate in SIH and Skillathon 4. Planning and preparation for NAAC Cycle-2 Accreditation 5. Organising faculty training programs

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
Promoting faculty members to participate in NEP related programs	Faculty members have attended FDPs and conference related to NEP. Faculty members have participated in NEP curriculum design at PAH Solapur University
Promoting students to participate in Innovation challenges	Students have participated in various innovation challenges. NBNSCOE teams has won first prize at Smart India Hackathon and PAHSU's Skillathon. Students have also bagged prizes in Startup Yatra initiative.
Conducting UG conference for students	Students have submitted and presented papers based on their projects in UG-Conference
Organising faculty training programs/Conferences	FDPs on Electric Vehicle, Application Deployment have been organised for teaching staff and training program on Lab Maintenance is organised for Non-Teaching Staff. International conference is planned in July 2023.
Planning and preparation for NAAC Cycle-2 Accreditation	SSR for Cycle-2 is submitted in Nov. 2023

13. Whether the AQAR was placed before statutory body?

No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Part A	
Data of the Institution	
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• Designation	Principal
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• City/Town	SOLAPUR
• State/UT	Maharashtra
• Pin Code	413255
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• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing

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• Name of the IQAC Coordinator	Azharuddin K. Shaikh				
• Phone No.	8888499450				
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• if yes, whether it is uploaded in the Institutional website Web link:	http://sinhgadsolapur.org/EdSite/academic-calender/				
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Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
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6.Date of Establishment of IQAC			01/10/2018		
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Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Computer Science Engineering	Smart India Hackathon	Ministry of Education	2022-23	100000	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		

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- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Year	Date of Submission
Yes	06/02/2022

15. Multidisciplinary / interdisciplinary

NBNSCOE, Solapur has been always at the forefront in inculcating the multi-disciplinary interdisciplinary 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.

16. Academic bank of credits (ABC):

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.

17. Skill development:

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 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	View File	
2.Student		
2.1 Number of students during the year		1097
File Description		Documents
Institutional Data in Prescribed Format	View File	
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		163
File Description		Documents
Data Template	View File	
2.3 Number of outgoing/ final year students during the year		196
File Description		Documents
Data Template	View File	
3.Academic		
3.1 Number of full time teachers during the year		72
File Description		Documents
Data Template	View File	
3.2 Number of sanctioned posts during the year		72

File Description	Documents
Data Template	View File

4.Institution	
4.1 Total number of Classrooms and Seminar halls	31
4.2 Total expenditure excluding salary during the year (INR in lakhs)	724.4
4.3 Total number of computers on campus for academic purposes	447

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

- 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.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://sinhgadsolapur.org/EdSite/academic-calender/

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	View File
Link for Additional information	http://sinhgadsolapur.org/EdSite/academic-calender/

1.1.3 - Teachers of the Institution participate

A. All of the above

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

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

1.2 - Academic Flexibility

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

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

27

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

30

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

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

1206

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

1.3 - Curriculum Enrichment

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

Professional Ethics: There are self-learning Course of Professional Ethics at Third-year level for all programs in first semester. Apart from this in Civil Engineering Curriculum, the compulsory course in Professional Practice, Law and Ethics is introduced in final year.

Gender-related initiatives: As per the act of 2013, Internal Complaint Committee (ICC) has been formulated to address the issues related with girl students and female staff. In Student Council of Institute includes two Ladies Representatives. Female staff/students are part of Anti-Ragging, Hostel and Mess Committees. Institute organizes Health check-up camps and special lectures for girls.

Human Values: In the first Year curriculum the course of Universal Human Values is added. Also, faculty members are promoted to complete AICTE-initiated workshops on universal human values.

Environmental and Sustainability: Environmental Study is a common course for all second-year students as per the PAHSUS curriculum. In this course, issues related to environmental protection and

conservation are identified and discussed. Along with this Basic Civil Engineering course at First-year level which includes water and effluent treatment process and solid waste management. Third-year and final-year projects are focused on the topics of environment and sustainability. Students also participate in the Tree plantation.

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

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

4

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

513

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	http://sinhgadsolapur.org/EdSite/feedback/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://sinhgadsolapur.org/EdSite/feedback/

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

247

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

116

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

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	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/SlowADV.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1097	72

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

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	View File
Link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2017/05/Academic-Calendar-2023-24-Semester-I-Dt-26-07-2023.pdf

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	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

64

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

2.4 - Teacher Profile and Quality

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

72

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

13

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

7.90

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

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	View File
Link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/TW-Norms.pdf

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	View File
Link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/TW-norms2-.pdf

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 PAH 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 stake holders

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	View File
Paste link for Additional information	http://sinhgadsolapur.org/EdSite/programme-educational-objectives-outcomes/
Upload COs for all Programmes (exemplars from Glossary)	View File

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	View File
Paste link for Additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/2.6.1b-CO-PO-Displayed.pdf

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

196

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/2.6.3c.pdf

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/2024/02/SSS-22-23.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research**3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

1

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

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	View File
Institutional data in prescribed format	View File

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**

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.sih.gov.in/sih2022-prescreening-result

3.2 - Innovation Ecosystem

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

Institution Innovation Council (IIC) is established as per the guidelines of the Ministry of Education (MoE), GOI & AICTE. IIC conducts various activities for budding engineers and faculty members related to creativity, design thinking, innovation, IPR and startups. MoE provides an activity schedule and guidelines to conduct these activities. In addition to MIC driven activities, IIC also conducts self-driven activities along with celebration of important days related to innovations and technology. Under IIC, Innovation Ambassadors conduct programs to create awareness among students and faculty members of this institute and other institutions also. IIC also undertakes activities of Entrepreneurship Development at the institute and its startup policy is approved by MoE. All the activities are linked to the YUKTI portal of MIC, where student ideas, prototypes, proof-of-concepts and business models are registered and scrutinized at national level. Institute has received 'Star Ratings' from MoE as well as it has been recognized by 'Atal Ranking of Institutions on Innovation Achievements' at national level. Incubation related activities are carried out in association with PAHSUS Uddyam Incubation Center to support students innovation and startups through IIC.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/3.2.1-IIC.pdf

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**

22

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

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	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/Research_Guide_Details.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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**

22

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

3.3.3 - 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	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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

Institute has always given priority to sensitize students about social issues. Students and teachers engage themselves in various community services, awareness drives and initiatives of national importance. It has carried out various extension activities. The details are as follows:

Social Awareness:

- How 108 Ambulance service works in Case of Road Accident
- Significance of Blood Donation
- Necessity of Cleanliness and Good Hygiene
- Road Safety

NSS Camps:

NSS unit of institute has organized different camps where students have actively engaged themselves for the community services. Also, Blood donation camps are organized every year on some special occasions.

Woman Empowerment:

On the occasion of Woman's Day, under 'HirkaniCell' lecture on 'Importance of Financial Literacy for Women'

National Integration and Support in Disaster Management:

- 'HarGharTiranga'
- Financially support to blind people.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/AQAR-22-23-Uploaded-3.4.1.pdf
Upload any additional information	View File

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**

6

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

3.4.3 - 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**

12

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

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

2426

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

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

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

2

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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**

30

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

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

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

The institution has adequate instructional, amenities and circulation areas as per AICTE and PAH Solapur University norms. All departments are fully equipped with the necessary infrastructure to meet the requirements with adequate classrooms, seminar halls, tutorial rooms, laboratories, and sufficient space for hosting all curricular, co-curricular and extra-curricular activities.

Classrooms:

- Well-equipped 27 Classrooms which are ICT enabled and equipped with LCD projector.
- All classrooms are well-ventilated, spacious and are equipped with Desks, Platforms, Fans, Tube lights, Green boards/Whiteboards and curtains.
- ICT enabled four seminar halls for conducting co-curricular and extra-curricular activities out of which one is fully air-conditioned seminar hall having capacity of 350.
- 05 tutorial rooms with one room having smart board/interactive projector.

Laboratories

- 69 well-equipped laboratories with adequate instruments/equipment to meet the requirement of curriculum.
- Some of the laboratories are devoted to research and consultancy activities, equipped with modern tools like 3D printing Machine, Auto Rickshaw Meter Testing Kits, etc.

ICT Facilities:

- Total of 533 computers are available.
- Internet connectivity of 300 Mbps speed and Wi-Fi connectivity is available throughout the campus.
- MOODLE, MOOCs, Virtual Lab, Spoken Tutorial, NPTEL Videos, Webinars, Gate Tutor, FTP Server, etc. are also used to enrich the teaching-learning process.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/4.1.1-001mainpage.pdf

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

Cultural Activities and Technical Activities

Institute provides infrastructural facilities for Annual cultural festival "Umang" and other cultural events like Lezim, Dandiya, Freshers/Farewell Parties etc. Annual technical activities like Technosinh, Dista, Prayog, Avishkar, Hackathon, etc are organised every year within the campus.

Gymnasium

Institute has well equipped Gymnasium facility within the campus.

Outdoor Indoor games facilities

Separate grounds for Cricket, Football, Handball, Volleyball, Kabbaddi, Kho-Kho and athletics are available in the campus. Institute has all indoor game facilities including table tennis, carrom, chess, etc. Required sports equipment's and tools are made available and updated regularly.

Yoga Activity:

Considering the importance of physical and mental fitness and the ever-increasing worldwide acceptance of Yoga, the facility of Yoga Centre is made available. Yoga Trainer is also frequently train and aware the students about the same.

Other Facilities:

- Boys and Girls Common Room
- Stationary Store
- Medical and Counselling Facilities
- Boys and Girls hostels
- Canteen, Mess, Staff quarter and Guest House Facilities
- Bus transport facility for Students
- Electrical Generator is available of capacity 125 KVA
- 60KVA UPS system available for computer lab
- Campus is fully covered by CCTV Surveillance with a total of 150 HD Cameras

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/4.1.1-001mainpage.pdf

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

37

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/4.1.1-001mainpage.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

in Lakhs)

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

412.86

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

The Institute's academic activities revolve around the library as Knowledge Resource Centre. The library is fully stocked with books, journals and e-books. The library has a built-up space of 722.5 square meters including stack room and reading hall with Wi-Fi zone and CCTV surveillance. The library has sections for OPAC, digital library, reference, journals, and reading hall. Library has a large collection with 15760 volumes having 3151 titles with investment of Rs. 6840652. Total 42 national and international journals, available for students and faculty. The library offers book-bank scheme for first-year students and rankers of higher classes.

The library was first automated in year 2010. Vidyasagar Library Management software version 4.0 is implemented from year 2022. Special Android app M-OPAC (Vidyasagar Mobile app) is available for users.

DELNET, National Digital Library (NDL), e-shodhsindhu, e-Shodhganga, e-Pathshala, DOAJ-Journals and many of free open access journals are available. Turnitine Plagarisam checker software, FTP Server (contains Free e-Books/Subject Notes, Motivational videos, NPTEL videos, University syllabus and previous years question papers).

Library visits of the students and teachers of the college are recorded in entry register with the help of vidyasagar library

management software, as well as off line book Issue entry register.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/4.2.1.2-VidyasagarLibraryManagementSoftware.pdf

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

A. Any 4 or more of the above

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

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

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

1.31

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data

for online access) (Data for the latest completed academic year)

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

13

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

4.3 - IT Infrastructure

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

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.

System and Application Softwares

Available System softwares are Windows10, Ubuntu 16.4, and Microsoft volume licensing copies of windows 10 & Windows 11. Application Softwares are available at various departments as per the academic and research requirements. AUTOCAD, CATIA v6 discover pack, Ansys 14.5, Pro-E, MSC Nastran, Matlab, Automation Studio V 5.7, Gate Tutor, Staad pro, ETAB, SAP, NI Multisim, Triton IDE, etc. are the available application softwares.

Network Management software:

To secure the campus network, Sophos XGS 2300 Firewall with Standard Protection Bundle Subscription has been deployed for handling enhanced load on Network and Applications cater to academic and administrative processes.

Upgradation of IT Facilities:

The institute maintains 24x7 Wi-Fi facility in the campus. The Internet Bandwidth of 300 Mbps ILL1:1 is available on campus through 10G Telecom Pvt Ltd.(ISP) The hardware routers and servers are upgraded regularly to match higher data speed demand.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/12/4.3.2.3-DS.pdf

4.3.2 - Number of Computers

447

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

218.798

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1. Classrooms

Classrooms are well equipped with LCD and other tools for better and effective teaching. Cleaning and maintenance are done on a regular basis by departmental peon and this activity is daily monitored by departmental technical assistant.

1. Central Library

The Central Library of the institute is well maintained and each section in it is taken care by an assigned person for cleanliness. Library has its own mechanism to identify the purchases based on courses and stock verification is done as part of regular maintenance.

1. Laboratory Equipment

The Lab in-charge and technical assistant look after the maintenance of each laboratory. Lab in-charge proposes the annual requirement, and provisions for the same is made in the budget. The equipment and instruments calibration and maintenance are carried out regularly and this activity is monitored by Lab in-charge.

1. IT infrastructure

The computers of the institute are maintained by Departmental Lab Technician. Any maintenance activity if required is carried out immediately and if required peripherals are replaced as per the prescribed process of the institute.

5. Sports

Sports committee looks after maintaining the sports ground and sports equipment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/Maintenance-Policy-Dt-12-11-2018.pdf

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

956

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

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

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

23

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/AQAR-5.1.3-001.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1018	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1018	
File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The Institution has a transparent	A. All of the above

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

111

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

06

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

13

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

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.

36

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

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

NBNSCOE, Solapur always think for the holistic development of students. Students are given exposure to involve in administrative, co-curricular and extra-curricular activities by including them as member of these committees. Students actively participate in committee meetings.

Following is the list of committees having student representation.

1. Student Council
2. Departmental Student Associations
3. Sports Committee
4. Cultural Committee
5. NSS Committee
6. Technical event committee
7. Internal Quality Assurance Cell
8. Internal Complaints Committee
9. Anti Ragging Committee
10. Student Grievance Redressal Committee
11. Institute Innovation Council
12. Minority Committee
13. Hostel Committee
14. Departmental Activity Calendar Committee

Student council is formed as per the guidelines given by Punyashlok Ahilyabai Holkar Solapur University, Solapur. It consists of General Secretary, Cultural Secretary, Sports Secretary, NSS secretary and two Ladies representatives (One from reserve category) along with class representatives of each class.

Each department has student associations consisting of President, vice president, cultural secretary, sports secretary, technical secretary and treasurer.

Student Council with departmental association members plays an important role in the organization of co curricular, extracurricular activities like annual Sports, cultural programs, technical events, alumni meet etc.

Faculty coordinators guide students for smooth conduction of each activity. General Secretary of student council looks for overall conduction of the event.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/AQAR-5.3.2-001.pdf
Upload any additional information	View File

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

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

73

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Institute has established an "NBNSCOE Alumni Association" (NAA) on

16th October, 2015 under the Society Registration Act, 1860 with registration No-MH-731/2015. For last 5 years Alumni registration count is 2110 and since the inception of NAA total count is 3239.

Alumni Cell organizes Annual alumni meet in the month of February/March. Alumni meet provides the platform to share their experiences, recalls their memories in the institute with teachers & friends.

Alumni serves/supports the Institute in following ways:

- Becomes life time member by paying membership fees of Rs. 500/-
- Participation as a resource person
- Conducting expert lectures/guiding new trends
- Evaluating various technical events
- counseling students for Career guidance, Skill enhancements, Professional ethics
- Suggesting modifications in curriculum

To encourage students for Sports Achievements, Innovative Idea Implementations & Entrepreneurial skill development, NAA has initiated honoring the students with annual awards like ARJUN, VIKRAM & RATAN award respectively.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/AQAR-5.4-001a.pdf
Upload any additional information	View File

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

C. 3 Lakhs - 4Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

As upper management, the CDC and the Governing Body are accountable for making policy choices. The purpose of the IQAC is to guarantee quality improvement. For the next five years, the institute has created the following perspective plan. To acquire PAHSUS permission for the Research Center; To acquire accreditation from appropriate authorities. To develop the center of excellence in respective sectors by signing Memorandums of Understanding with industries/organizations; to obtain high quality sophisticated equipment through funding from Government/Non Government organizations for boosting research and consulting; The most crucial component of the teaching and learning process are the teachers. They participate in all significant decision-making as a result. Members of the teaching and non-teaching staff are nominated to all apex bodies, including the IQAC, Governing Body, and CDC. At the regular meetings, decisions are made regarding the policies and strategic plans. With management approval, implementation is carried out in accordance with decisions made at frequent meetings. Throughout the implementation process, periodic reviews are conducted.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/1 Main Vision-mission.pdf
Upload any additional information	View File

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 programmers 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	http://sinhgadsolapur.org/EdSite/organogram/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

As per the perspective plan, NBNSCOE has taken initiatives to enhance the academics, administration and human resource. To excel as per the vision and perspective plan of the Institute, well-defined policies and decisions of management are implemented by the Principal/HoDs/Coordinators. Along with statutory committees, various other committees are also functional for implementation of Curricular, Co-curricular and Extra-Curricular activities for effective and efficient functioning. The hierarchical organization structure as per the Organogram helps for the overall development of the Institute and holistic approach among the staff and students. Faculty members and students are involved in planning and implementation of various activities. Office administration includes Accounts, Examinations, Scholarship, Students and Establishment section for smooth functioning in the Institute. Efforts are made to get 2f/12B recognitions, higher grading by accreditation bodies and rankings at National level. With the proper planning, Institute will go for autonomy in near future. The research culture is strengthened through Centre for Research and Technology Development (CRTD) and attempts are made for fetching the funding from external agencies. Students' council, various clubs and departmental associations also work for overall development.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/6.2.1Perspectiveplan.pdf
Upload any additional information	View File

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.

Institute follows standard norms led down by AICTE/SRA/Government/University and transparency is maintained at every level. Teacher recruitments are done as per AICTE norms. Applications are invited and Demo lectures are conducted in presence of senior faculties. Based on report of these members if candidate is found suitable then interviews are conducted for final selection. If immediate requirement of teachers is identified, then they are appointed by the management and their approval is taken from the university on the yearly basis. Appointments of Non-teaching staff are made at institution level by the Management. Management supports staff for participation in training-programs by providing leaves and financial support. Management also offers monetary/promotional benefits to staff based on performance appraisal. Efforts are made to encourage the faculty members for higher studies. Presently 16 teachers are doctorates and 14 are pursuing their Ph.D. Institute ensures overall development of faculty through deputation to higher studies, skill up gradations, promoting research and consultancy services. Also nonteaching staff is trained regularly through training programs Policies such as start-up policy, testing and consultancy policy, Communication of duties and leave policies, internal assessment norms, code of conduct for teachers and students are in place.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/policies-procedures/
Link to Organogram of the institution webpage	http://sinhgadsolapur.org/EdSite/organogram/
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The institution offers effective welfare measures, schemes and leave facilities as per norms. Study leave for qualification up-gradation, on-duty leave for attending training programs and official assignments. Medical/Compensatory leaves are also provided for both teaching and nonteaching staff. Maternity leave of 180 days for women staff for first two Children.

Implementation of pay scales, contribution to Provident Fund and Payment of Gratuity as per norms is applicable for Teaching and Non teaching staff. Institute has policy to give financial support to faculty members and students for filing of IPR, for attending FDP, STTP, workshop, seminars and conferences inside and outside the Institute. NBNSCOE also promotes the teachers to enhance their skills by attending MOOCs and provide the financial support for

its certification. Training programs are also conducted for support staff to motivate and train them in computer literacy, admission system, documentation and ICT related to upgrade their knowledge & boost their confidence regularly. Institute has tradition to appreciate deserving teachers by best teachers award and Non teaching staff as best support staff award.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/6.3.1.003staff-promotion-with-agp-change.pdf
Upload any additional information	View File

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

32

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

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

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

2

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

56

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

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.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/6.3.1.001-Appraisal-Completed_merged.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

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	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/Audit-Report-NBNSCOE-2022-23.pdf
Upload any additional information	View File

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)

41.9

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

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

Budget preparation and approval:

At the beginning of every academic year, all the departments prepare a budget based on the requirements. The financial requirements of each department are compiled and forwarded to the Principal's office. It reviews the budget and presents to the CDC for approval. The CDC critically reviews the budget and it is approved after necessary corrections.

Resource and Budget Utilization Strategies:

a) Once the budget is approved, Heads of Departments can proceed with procurement of equipments or the planned activities. The major equipments are procured by following the proper purchase process where the quotations are called, compared and presented before the purchase committee for further recommendation. The amount is disbursed only after complying the process which

includes necessary approval, purchase order, equipment delivery and testing report.

b) Salaries/honorarium/financial support: Salaries of employees are paid as per the statutes and norms of the Govt. of Maharashtra. The remuneration/honorarium is given to resource persons for various academic and administrative events. The institute supports the faculty and staff for seminars/workshops/conferences/FDP/ NPTEL courses etc.

c) Augmentation and Maintenance of Infrastructure: The infrastructure is augmented as per requirement. Repairs & maintenance are carried out as per the maintenance policy of the institute.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/Audit-Report-NBNSCOE-2022-23.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

NBNSCOE has established IQAC as per guidelines of NAAC. IQAC implements collaborative and participative approach towards quality assurance at institute. IQAC assures documentation of all quality assurance activities at institute. It has designed its own format for 'Activity Report' to help faculty members in timely and effective recording of activities. IQAC prepares and submits 'Annual Quality Assurance Report (AQAR)' as per NAAC requirements every year. In addition, IQAC is pro-actively involved in ensuring documentations required for different audits and compliances. The systematic documentation at institute has led to remarkable recognitions and rankings such as Star Ratings from MOE for IIC activities, Ranking by ARIIA for innovation achievements, 'A++' Grade in PAHSUS's Academic & Administrative Audit and 'Best College Award' as well as 'Best Principal Award' by PAHSUS.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/meetings-action-taken/
Upload any additional information	View File

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

IQAC conducts regular meetings to review/discuss Teaching Learning activities and suggests actions to be taken. In addition, discussions on student centric practices, value addition programs, assessment methodologies and innovative teaching methods are carried out. IQAC has contributed in revising contents of course file. IQAC has suggested/organised faculty training programmes on innovative methodologies and modern tools for teachers. IQAC reviews institutional processes and methodologies to ensure smoothness of operations among academic and administrative functionaries of institute. Through internal meetings, feedback mechanisms and external audits, IQAC takes proactive measures to monitor and enhance learning outcomes at institute. It has helped in developing mechanisms for evaluation of attainment of learning outcomes. IQAC has organised sessions on Outcomes Mapping and Attainment Calculations. Institute has progressed positively in terms of number of teachers pursuing/completed PhD, publications (papers/books/book chapters), Intellectual Property Rights and Research Grants. Also, number of students completing industrial-trainings/internships, innovative experiments through Virtual-Labs, Awards at reputed competitions like Smart-India-Hackathon, Startup-Yatra, Skillathon, ATV championship, etc. has been improved. Students have worked on live project of electric vehicle for inter-mobility at campus.

File Description	Documents
Paste link for additional information	http://sinhgadsolapur.org/EdSite/meetings-action-taken/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of

A. All of the above

**Internal Quality Assurance Cell (IQAC);
Feedback collected, analyzed and used for
improvements Collaborative quality
initiatives with other institution(s)
Participation in NIRF any other quality audit
recognized by state, national or international
agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2023/11/6.5.2-B01.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

A. Gender Equity and Sensitization:

a) 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.

b) Institutional Initiatives to address gender sensitivity issues:

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

B. Facilities for women on campus:

a) Common Room:

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

b) 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 night studies.
- Transport facility (24X7) for emergencies is available.
- Reserved seats for females are available in institutional transport buses.

File Description	Documents
Annual gender sensitization action plan	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/2-gender-audit-report.pdf
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	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/3-Safety-and-Security.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	C. Any 2 of the above
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File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

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 (STP) of Capacity 750 m³ /day worth rupees 26,25,000/- was installed in the year 2013-14 treats sewage and its output is used for gardening purpose.

Different types of e-waste generated in the Institute like damaged C.D.s, CPUs, Hard Disk Drives, Monitors, Keyboards, Cables, and Cartridges etc. are collected together from all departments and handed over to an external e-waste recycling agency.

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	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available

A. Any 4 or all of the above

**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**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

NBNSCOE has given priority to the holistic development of the students. Extra-curricular activities are organized in the institute to allow the students to showcase their spirit and artistic views. Students learn by organizing, participating in, or volunteering in such activities. Every year, Annual cultural

function named as 'Umang' is organized where the students of all the departments participate in various activities. Traditional Day is celebrated in the institute, where students and teachers exhibit their regional/religious traditions. Students exhibit their linguistic flexibility through college magazine. The institute also celebrates 'Marathi Bhasha Din'. It helps students learn about the various cultures that exist in our nation and to promote harmony and tolerance towards linguistic, cultural, regional, social, and other distinctions. This promotes inclusion both inside the institute and in society.

These are organized by bringing together professors and students from different backgrounds on one platform. The institution organizes numerous programs to sensitize students and staff to the constitutional obligations: Values, Rights, Duties, and Responsibilities of Citizens. Many events are held at the institution to enable students to become familiar with our country's many cultures and to foster tolerance and peace towards cultural, regional, linguistic, communal, socioeconomic, and other differences.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/2.pdf
Any other relevant information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/3.pdf

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	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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 Mahatma 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)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

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 No.1:

1) Title: Problem Based Learning (PBL)

2) Objectives:

to enhance student learning and employability

3) The Context

Graduate attributes, including soft skills like communication, teamwork, and problem-

solving, are crucial in professional education.

4) Practice:

The institute uses PBL through projects involving problem-solving skills.

5) Evidence of Success:

Success of students at Smart India Hackathon and other regional/national level project competitions

6) Problems encountered and resources required:

The Solapur region developing stage presents challenges in implementing 100% PBL

Culture.

7) Notes:

Problem Based Learning (PBL) model enhances technical skills in tier-II cities like Solapur.

Best Practice No.2:

1) Title: Students Development and Career Counseling (SDCC)

2) Objectives:

improve students career skills, prepare them for entrepreneurship/higher Education.

3) The Context:

SDCC is crucial for students who lack communication and soft skills

4) The Practice:

The institute uses the SDCC model to enhance students presentation, communication, and

public speaking skills.

5) Evidence of Success:

SDCC has led to over 75% of students benefiting from it, increasing placements in the last

five years.

6) Problems encountered and resources required:

Expert staff required

7) Notes:

multidimensional training, guidance, and counseling to students.

File Description	Documents
Best practices in the Institutional website	http://sinhgadsolapur.org/EdSite/best-practices/
Any other relevant information	http://sinhgadsolapur.org/EdSite/wp-content/uploads/2024/02/7.2.1-Additional-Upload.pdf

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

NBNSCOE has established the Centre for Research and Technology Development (CRTD) under the guidance of former Vice Chancellor and Emeritus Scientist Prof. Dr. S. H. Pawar. The centre monitors research and technical activities, involving students and staff in various committees. CRTD focuses on areas such as Energy, Environment, Health Science, Atmospheric Nano-science, Water resource management, Cloud Physics, Nano-science engineering, and Material Science to address societal problems. The institute has fostered research attitudes among staff and students, developing outstanding research talents capable of developing innovative technologies for rural development. Research activities include applying for funding from the Department of Science and Technology (DST) for a projects. The institute also initiated a scheme for undergraduate students to research frontier technology with a

multidisciplinary approach, focusing on areas such as alternatives to Li-Ion Batteries, electric cookers/pans, green hydrogen, carbon capture, solar thermal energy, solid state refrigerators, nanotechnology for EV batteries, turboelectric generators, and super capacitors with silk fibroin.

The Indian Institute of Tropical Meteorology (IITM) Pune has partnered with NBNSCOE to establish a research facility for the Cloud Seeding Experiment, a project aimed at improving precipitation in the drought-prone Solapur district.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. Implementation of NEP compliant curriculum
2. Organising national / international conferences
3. Preparations for NAAC Cycle-2 Peer Team Visit
4. Promoting students to participate in Hackathons and Avishkar Competition