



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1. Name of the Institution

SINHGAD TECHNICAL EDUCATION
SOCIETY'S SINHGAD COLLEGE OF
ENGINEERING

- Name of the Head of the institution DR. S. D. LOKHANDE
- Designation PRINCIPAL
- Does the institution function from its own campus? Yes

- Phone no./Alternate phone no. 02024354705
- Mobile no 9822335468
- Registered e-mail principal.scoe@sinhgad.edu
- Alternate e-mail sdlokhande.scoe@sinhgad.edu
- Address 44/1, Vadgaon (Budruk), Off
Sinhgad Road
- City/Town PUNE
- State/UT MAHARASHTRA
- Pin Code 411041

2. Institutional status

- Affiliated /Constituent Affiliated
- Type of Institution Co-education

- Location Urban

- Financial Status **Self-financing**

- Name of the Affiliating University **SAVITRIBAI PHULE PUNE UNIVERSITY (SPPU), PUNE**
- Name of the IQAC Coordinator **DR. KALPANA S. JOSHI**
- Phone No. **02024100183**
- Alternate phone No. **9881230157**
- Mobile **9881274525**
- IQAC e-mail address **hodbiotech.scoe@sinhgad.edu**
- Alternate Email address **viceprincipal.scoe@sinhgad.edu**

3. Website address (Web link of the AQAR (Previous Academic Year)) http://cms.sinhgad.edu/media/494140/aqar_reort_2020-2021.pdf

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

- if yes, whether it is uploaded in the Institutional website Web link: http://cms.sinhgad.edu/media/528708/aqar_scoe_academic_calender_2021_22.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.25	2017	23/01/2017	22/01/2022
Cycle 2	A+	3.31	2022	26/10/2022	25/10/2027

6. Date of Establishment of IQAC **28/08/2017**

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
Biotechnology Engineering	Research Project	Science and Engineering Research Board, SERB, Government of India, New Delhi	30 June, 2020 - December 2022	2772560
Biotechnology Engineering	Research Project	ASPIRE SPPU	June 2019-June 2021	2,87,000
Biotechnology Engineering	Research Project	MODROB for Equipment	10-11-2017to 31-03-2021	14,50,000

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

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

9.No. of IQAC meetings held during the year **4**

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

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

- If yes, mention the amount

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

1. NAAC SSR submitted 2. Encouragement of faculty and students for online courses and FDP 3. Placement support

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
Submission of NAAC SSR	Achieved A+ grade
Encouragement of faculty and students for online courses and FDP	Improvement has been observed
Placement support	70 companies visited the campus and 681 students placed

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

- Name of the statutory body

Name	Date of meeting(s)
Academic monitoring committee	15/07/2022

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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• Pin Code	411041
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• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing
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Name	Date of meeting(s)
Academic monitoring committee	15/07/2022
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
YES	10/01/2022
15. Multidisciplinary / interdisciplinary	
<p>The vision and mission of the institute is to inculcate holistic development of students and teachers. The mission statement focuses on the needs of the society in explicit terms, namely imbibing a unique value system, transparent work culture, excellent academic and physical environment, and conducive to learning, and creativity to accomplish the vision of the institution. Basic engineering sciences like physics, chemistry, and mathematics, are part of the curriculum in first-year engineering whereas the subject of geology is part of the syllabus in Civil Engineering. The institute follows the curriculum designed by the university wherein courses related to humanities and social sciences are given proper weightage so as to give comprehensive approach which satisfies STEM.</p>	

The institute follows credit based curriculum prescribed by the university. The students are regularly engaged in community development programs through NSS, Prayas etc. As the institute follows Savitribai Phule Pune University curriculum, at present multidisciplinary flexible curriculum that enables multiple entry and exit at the end of the academy year is not possible. All the departments of the institute encourage the students to focus on mini and major projects as part of the curriculum in third and final year engineering. The institute runs Mechatronics program at the post graduate level in Mechanical Engineering department, which is a multidisciplinary program. The institute encourages students of different departments in developing multidisciplinary projects in the form of hybrid vehicle, solar vehicle, and rocket models so that the student participates in national and international competitions. The faculty and students are also engaged in interdisciplinary research in areas like online quality parameter monitoring for nallah (Canal), bacterial analysis of cow dung based bio enzymes jeevamrut, drainage line survey using robots, applications of image processing techniques in weld defect analysis, energy harvesting from conventional energy sources and smart home energy audit, IoT based projects and others. The students of Civil and Biotech departments work on interdisciplinary environmental issues and developed Indigenous systems like grey water treatment for concrete casting and curing, Bioculture - wastewater treatment for agricultural purposes, waterless urinals, and non-mechanized solid waste management systems for the benefit of society. The institute support the students by opening facilities like laboratories, and a central library beyond the college working hours for completing multidisciplinary projects. Value-based multidisciplinary education in the form of webinars, seminars, activities like Yoga, and induction programs, expert lectures are provided to the students with the intention of developing humanistic, ethical, social, constitutional, intellectual, and universal human values.

16.Academic bank of credits (ABC):

Institute is affiliated to Savitribai Phule Pune University (SPPU) and the curriculum proposed by the university is strictly followed. The University provides flexibility to the institute to run selective audit courses, honor courses and electives both at UG, and PG level. The choice-based credit system (CBCS) for all programs is fully implemented from the academic year 2019-20 as per the guidelines of UGC and SPPU, Pune. Being an affiliated college, SCOE follows the CBCS system and will participate in

Academic Bank Credits (ABC) system as per the university.

17.Skill development:

As a step towards competence based learning that helps students to further improve their core skills, the institute offers Student Training Program (STP) in the form of soft, communication, Technical, Fundamental and Aptitude Training, Research Methodology, Technical report writing during second & third year of Engineering. In fourth year, value added programs are taught by the industry veterans on latest technological developments and trending fields of engineering in order to develop the skill sets as per the industry requirement. These value added programs are beyond the syllabus content of SPPU and floated as per the requirements of students' interest. The students actively participate in PRAYAS and NSS activities to learn ethical, humanistic and universal human values. The college organizes admission fair in the form Conclaves for providing opportunities for students to go for higher studies in abroad at various universities across the world like USA, Canada, Germany, Denmark, United Kingdom, and Netherlands etc. In this Conclave, more than 50+ universities participate in every year and provide options for studying in Master of Science (MS) and integrated doctoral/ post-doctoral program in various streams of science and engineering. In this regard the institute has made Memorandum of Understanding (MOU) with the GENEX which provides services free of cost. The college has also made MoU with "First Naukari.com" to provide training in up-gradation of soft and technical skills of students in areas such as SWOT Analysis, Training on Machine Learning, Artificial Intelligence, Robotics, Process automation, mechatronics and Programing on C, C++, JAVA, Python etc. The skill development sessions are conducted by our institute on data sciences, renewable energy, entrepreneurship & innovation with renowned institutes like Imperial college of London, Pennsylvania University, and Durham University, Denmark respectively. Students of the institute participate in building both internal combustion engine and hybrid vehicles, HACKATHON, Robotics competition, etc. The institute has made memorandum of understanding with Infosys India Ltd. to run Infosys campus connect program to develop soft skills for the students and faculty by conducting Workshop on Foundation

Programs, Webinar on soft skills and LEX, Enablement Program for faculty and students on Python and DBMS through INFYTO Program, Quiz's on Python, New Digital Learning Initiative etc. The Institute offers environmental Studies I & II credit courses at first year engineering, to make the students familiar with environmental issues and their effect which includes conservation of biodiversity and sustainable development. The curriculum also includes study of constitution, democracy and election. Incubation center is developed in the Electronics and Telecommunication engineering department to enhance the skills and through this center a few entrepreneurs started their startups in the domain of embedded systems.

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

The curriculum of the institute is designed to instruct in English language, but the faculty members conduct separate lectures in English and local language to take care of slow learners. The institute runs an art circle club to encourage the students' skill development in painting, photography, literature, article writing in multiple languages. The best articles of art circle club are published in annual college magazine "SRUJAN", which won prize at University level. The magazine published every year on a particular theme like 'Kshitij- Journey towards infinity', 'Kunj-The Shades of Life', 'Kshan: The Moment Defining fraction of life' and 'Aarambh: The Dawn of a new era' etc. This magazine inculcates creativity, novelty and scope for development in present times and inspires the students to take up new challenges in future. The students participate in intercollegiate FIRODIYA and PURUSHOTTAM Drama competitions and social events like SKIT, NSS and PRAYAS, etc. Our 'Pathnatya' street play team presented awareness camp on social and current issues and grabbed prize at district and state level competition. Some of the students of NSS team from our college has achieved great success and represented the institute at international level delegation camp at China and South Korea, participated in National level Republic day parade and state level camps like leadership development, disaster management and social and cultural competitions. PRAYAS is a non-profitable "Youth forum and social awareness foundation" which promotes and supports educational and development efforts in rural India. In this forum students work for the enhancement of computer literacy, Vedic mathematics, carrier guidance, and organization of camps like blood donation, tree plantations drives, sports competition, free health and dental checkup camps

etc. The college organizes technical competition namely TECHTONIC & cultural event namely SINHGAD KARANDAK. It is a flagship event of cultural and sport extravaganza organized every year. This event enhance the creativity among students like modeling, analyzing, organizing, interpersonal, acting, singing, dancing, playing instruments and managerial skills etc. "Marathi Din" is celebrated at college.

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

The Institute is affiliated to Savitribai Phule Pune University. The syllabus - curriculum is prepared by the University and institute follows it strictly. The faculty members of various departments participate and contribute in the process of syllabus framing. The valuable inputs are given by these faculty members in the framing of curriculum. All the courses mentioned under curriculum of a particular department have Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) as per the norms and guidelines of statutory regulatory bodies. The dissemination of these POs and PSOs to the teachers, students and various stake holders is done through institute Website, Student/Faculty notice boards, Laboratory notice boards, Posters in corridors, administrative areas, Laboratory manuals, Project work book, Conference proceedings, brochures of FDP/STTP, Department News Bulletin, Faculty Course files, etc. All the courses are defined with course objectives and course outcomes and the same is discussed with the students by the faculty. The outcomes of all the courses are mapped with POs and PEOs at the end of the semester by all the departments in order to make improvements in teaching-learning process in subsequent semester. The institute organizes Hackathon, Internet of Things challenge and Technical Design Competitions in addition to existing curriculum such as Project based learning, Mini Project, Seminar, Final Year Project and Internship in order to transform curriculum towards OBE

20.Distance education/online education:

The institute motivates students to get certification for Massive Open Online Courses (MOOCs), Coursera, NPTEL, Spoken Tutorial, IBM Skill Build, Distance learning IIRS Outreach Programs, Infosys campus connect etc. The Institute uses online platforms like Google Classroom, Microsoft Teams, etc. for effective classroom teaching. The e-learning material in the form of lecture notes, Videos, etc. are shared through said platforms. The institute has made Memorandum of understanding with Infosys Ltd. to provide online education in programming languages through

INFYTO Program and Quiz to develop soft skills. The institute is a nodal center for e-learning courses organized by IIRS Outreach Programs like, Image Statistics, Basic Remote Sensing, Photogrammetry and Cartography, Digital Image Processing, Geographical Information System, Global Navigation Satellite System etc. 300+ students have benefited from these courses. The Institute has liaison with IIT Bombay and it is recognized as nodal center (NCID-227) for V-Lab. This facility has been effectively used for conducting various courses practical in online mode during pandemic. The Institute has highest utility of virtual laboratory among the institutes across India

Extended Profile

1.Programme

1.1

697

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

File Description	Documents
Data Template	View File

2.Student

2.1

5326

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2

1290

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

File Description	Documents
Data Template	View File

2.3

1394

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	242
File Description	Documents
Data Template	View File
3.2 Number of sanctioned posts during the year	235
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	65
4.2 Total expenditure excluding salary during the year (INR in lakhs)	58,305,510
4.3 Total number of computers on campus for academic purposes	1046

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

Sinhgad College of Engineering is an unaided private Engineering College affiliated to Savitribai Phule Pune University Pune, and approved by AICTE, New Delhi. The college strictly adheres to curriculum prescribed by SPPU.

Effective curriculum delivery is ensured through a transparent process as given below:

1. The semester of every academic year begins with adherence to the University Academic Calendar which ensures that academic activities are planned well in advance. The institutional academic calendar is prepared based on the university academic calendar for every semester with a balanced distribution of curricular, co-curricular and extra-curricular activities.
2. The teaching load distribution is done before start of semester. A comprehensive objective-driven teaching plan, course file, laboratory manuals, PPT are prepared by the subject teachers.
3. Faculty motivated to attend FDP, workshops, syllabus discussion/implementation workshops conducted at different institutes at the university level.
4. Periodic review of teaching-learning process is taken in the form of syllabus completion reports, systematic internal examination process, guest lectures, seminars, internships, and projects to add impetus to the Teaching-Learning process.
5. The institute encourages the faculty and students to complete certification from different online courses like Coursera, NPTEL.

The academic progress, grievances, and stakeholder's feedback are taken periodically

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

The Semester of every academic year begins with adherence to the University Academic Calendar which ensures that Academic activities are planned well in advance.

1. The departmental calendar clearly mentions test, mock practical test along with practical and project submission schedules.

2. The question bank and solutions are shared with the students before test conduction.
3. The evaluation criteria for mock practical tests are conveyed to the students so as to prepare and perform well.
4. An academic monitoring committee ensures that all academic activities are carried out on a regular basis so as to enhance the academic results of the students.
5. A teacher guardian scheme is in place which is judicious enough so that the batch of students assigned to a faculty member is monitored closely for achieving enhanced academic performance.
6. All types of evaluation sheets are finally compiled into a term work evaluation sheet which ensures that the students get the marks they deserve based on their academic performance for the semester.
7. In case of any last minute deviations in the given academic schedule by the university, due to unforeseen circumstances, the institution adopts the revised schedule.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

A. All of the above

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

1.2 - Academic Flexibility

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

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

17

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

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

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

23

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
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

3588

File Description	Documents
Any additional information	No File Uploaded
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

For almost all programs, courses addressing Professional Ethics and Human Values are offered as mandatory audit courses such as - Leadership and Personality Development, Professional Ethics and Etiquettes, Essence of Indian Traditional Knowledge, Code of conduct, Humanity and Social Sciences, Social Awareness and Governance Program, Intellectual Property Rights and Patents, Emotional Intelligence, Human Behaviour, Patent Law for Engineers and Scientists, Principles of Human Resource Management, Business Ethics, Introduction to Constitution, etc.

The curriculum includes various courses that address Environment, concern for environment, awareness on hazards for environment. For example, the first year B.E. the program includes a mandatory audit course in both the semesters on 'Environmental Studies'. Mandatory audit courses at 2nd, 3rd and 4th year level has been incorporated by university in all programs, e.g. Water Management, Ecology and Environment, Ecology and Society, Science-Technology and Society, Green Construction and Design, Smart Cities, Sustainable Energy Systems, Energy Resources, Economics and Environment, Non-Conventional Energy Resources, Industrial Safety and Environment Consciousness, Green Computing, Sustainable energy systems, Urbanization and Environment, Environmental & Resource Economics, Environment and Development. Apart from this, there are core and elective courses to Biotech, Civil, Chemical, and Mechanical programs such as Environmental Biotechnology, Bioenergy and Renewable Resources, Environmental Engineering, Water Supply Engineering, Energy Audit and Management, Solar and wind energy, etc.

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

95

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

4743

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://scoe.sinhgad.edu/NAAC/SCOE/1.4.1_Feedback.pdf
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	No File Uploaded

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://scoe.sinhgad.edu/NAAC/SCOE/1.4.2_FeedBack.pdf

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

962

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

525

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

The students are being assessed through the internal as well as external assessment criteria systematically. However, it is

realized that every student is different and everyone has different capabilities. Such students are classified as slow learners and advanced learners.

These students are identified through various parameters such as -

- Continuous assessments
- Attendance /regularity
- University results
- Discretion of teacher based on live teaching

- Regular assignments and tests

Once such slow learner students are identified, they are taken care specially through various well supported efforts. These efforts are -

- Remedial/extra classes and practicals

- Assignments
- Counseling & motivation by subject teachers, class teachers and guardian teachers
- Communication with parents

Similarly, the advanced learners are well supported through various techniques below -

- Prepare for global certifications
- Participate in value added training programs
- Help in getting Industry sponsored projects, internships
- Enroll in Research and e-learning material like Course-era, NPTEL etc.
- Motivation to pursue higher studies and research through GATE, CAT/GRE and other examinations.
- Motivation for Paper presentations, workshops and conferences
- Organization and Participation in departmental/Institutional events
- Promotion in co-curricular and extracurricular activities and competitions.

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

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

Number of Students	Number of Teachers
5326	242

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

The development of the students in multiple dimensions is necessary in professional engineering education. With this view, alongwith the traditional teaching-learning methods, the Institute provides innovative student centric activities. Various events, efforts taken in this direction are listed below -

1. Various Competitions
2. Internships in Industries
3. Various Students' Chapters and Clubs
4. Industrial visits
5. Technical events
6. Workshops /Seminars
7. Exposure to Virtual Lab environment through tie-up with IIT Bombay
8. IIT spoken tutorials, NPTEL, etc.
9. Students Training Programs (STP)
10. Project Based Learning (PBL)

The experiential as well as participative learning takes place effectively in Industries. Internship is one of such activities. Students complete internships in various private, government industries successfully.

Industry personnel are invited for delivery of expert sessions,

workshops, seminars.

The Institute has liaison with IIT Bombay in context with Virtual laboratory and through Spoken Tutorials. Students also undergo various courses organized by NPTEL.

Project Based Learning (PBL) activities are carried out by the Institute. These activities are proven very useful in enhancing the systematic - problem solving ability.

Students Training Programme (STP) is the programme executed by the Institute with the aim of enhancement in employability of the students.

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

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

To enhance the learning experience of the students, recent educational methodologies, ICT is used by faculty members to make teaching learning a joyful experience.

- For all the programs, the institute has ICT enabled classrooms.
- The institute encourages the faculty members to use these recent teaching tools like Power Point Presentations (PPTs), related videos, animations, free online resources etc.
- Virtual laboratories and free online tools such as Compilers, SCILAB, AutoCAD, etc.
- The institute has seminar halls for all the programs and also has auditorium equipped with multimedia facilities.
- Swayam/NPTEL/MOOC, Virtual laboratory, SPOKEN TUTORIAL-IIT Bombay, such online resources are made available to the students.
- Due to COVID-19 pandemic situation, faculty members have fluently adopted various Platforms such as Zoom, Google Meet, Microsoft Teams, etc. The Institute has official credentials of Microsoft teams.
- Google / Microsoft platform were effectively used to upload video lectures, e-books/e material, assignments, practical

submissions and online MCQ tests.

- Faculty members use social media platforms like WhatsApp and Telegram to connect with the students and parents.

All these multimedia aids make the learning experience of students' interactive, effective and enjoyable

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

242

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

242

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

57

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

1747

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.

The students undergo Internal and external assessments by well set process. These assessments are carried out timely and transparently. The internal assessment is carried out with various tools such as :

- Assignments/Class test/Mock test
- Tutorials
- Understanding of lab experiments

- Project evaluation
- Mini project evaluation
- Quiz
- Term work Assessment
- Project based learning

Continuous internal assessment of the students is carried out by assigning appropriate weight-age to understanding of experiments, presentation in file/journal, regularity in the laboratories, etc. This assessment is transparent and carried out in presence of the students in the laboratories.

Internal assessment of the project work of final year students is also carried out throughout the academic year periodically

Mini project is part of programme in various departments. It is complete term activity spread throughout the semester. The exhibition cum demonstrations is organized at the end of the term.

Assignments and tutorials are the important components of internal assessment process. Quizzes are also organized by many faculties for various courses to maintain enthusiasm in the learning environment.

Class tests and Mock tests are organized by the programmes throughout the academic year. Normally, two class tests are organized per course per semester.

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

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

Term work assessment is the transparent process. The students are evaluated by faculty in the laboratory itself. The grievance if any is resolved by faculty immediately.

- Class tests are conducted for each theory course twice per

semester. Discrepancy or grievance if any is resolved by the faculty and respective committee immediately.

- Internal assessment of the project work of final year students is carried out throughout the academic year periodically. Query if any is resolved by the guide, panel & respective coordinator.

- When the University examinations are scheduled, sometimes students face difficulties and there are registered complaints at various stages accordingly.

- Examination form fill - up and payment of fee process is online. Sometimes students stuck in the process. In such cases, students report to examination section and get his/her difficulty solved.

- There are few complains reported pertaining to the Hall - Ticket. These are also resolved by the office timely.

- When the students appear for examinations and the results are declared by the University, there are few cases of variation in the names, results etc. Such cases are resolved by the Institute through communication with the University.

File Description	Documents
Any additional information	View File
Link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/2.5.2_Student_grievances.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.

Engineering and management programmes follow the defined program outcomes (POs). For all the programs, POs, Programme Specific Outcomes (PSOs), and Course Outcomes (COs) have been articulated.

POs signify the graduate attributes (GA) whereas PSOs are specifically defined outcomes of the programme which the learners attain at the end of the programme. The dissemination of these POs and PSOs is done through

1. Institute Website
2. Student/ Faculty notice boards

3. Laboratory notice boards
4. Posters in corridors in each department, administrative areas
5. Laboratory manuals
6. Project work book
7. Conference proceedings
8. Various activities like FDP/STTP/etc. brochures
9. Department News Bulletin
10. Faculty Course files
11. Through various feedback forms

COs describe the fundamental knowledge skill set about the course that student will be able to acquire at the end of a course. University provides the semester wise syllabus for each programme. For many courses COs are defined by the University. The mapping of COs with POs and PSOs is done for every course, as COs are the path way to attain POs and PSOs and thereby the Mission and Vision of the institute.

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

For any outcome based system, achieving the attainment level of the POs, PSOs, and COs is a key parameter. The following methods are used to assess the attainment of course outcomes.

a. Internal assessment

This includes performance of the student throughout the semester based on Theory/ Practical attendance, regular test exams, assignments, continuous assessment, Term work. Questions in the assessment tools are mapped with COs for good alignment of COs with POs.

b. University examinations

This consists of University End-semester examination.

CO Attainment is computed based on the students' performance through above mentioned assessment tools. The attainment levels for courses are finalized based on previous results / performances. The measurement of attainment is based on the actual percentage of students achieving the passing percentage of marks or more as in table below:

passing level of marks

attainment level

> 40-60%

1

61 - 80 %,

2

>81

3

Final CO attainment is computed by considering the performance of the students in the internal assessment (30% weight-age) and University examination (70% weight-age).

For mapping COs with POs and PSOs the correlation Level 1 means slight (low); 2 means moderate (medium) & 3 means substantial (high).

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://scoe.sinhgad.edu/NAAC/SCOE/2.6.2_at_tainment_CO_PO.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

1394

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://cms.sinhgad.edu/sinhgad_engineering_institutes/vadgaon_scoe/naac/agar.aspx

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://cms.sinhgad.edu/media/528842/sss_2021-2022.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)

50.096

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

14

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

2

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	Nil

3.2 - Innovation Ecosystem

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

The institute has created a suitable environment to promote innovation, explore new ideas and share the knowledge to other likeminded in their interested domain for graduate, post graduate and Ph.D. students. As a part of this, the institute has R&D, Entrepreneurship cell through which students are encouraged to participate in different research activities. Workshops on Entrepreneurship, Research Methodology and Intellectual Property Rights are conducted to provide the base for researchers. As part of innovation, R&D cell encourages students and faculties for nurturing innovative ideas.

The R&D cell helps in identifying multidisciplinary innovative topics related to different engineering and management programs. The teaching-learning process at the institute is based on choice-based credit system of the University. It helps and motivate the students to do theme-based research projects which in turn make the students to have innovative knowledge helpful to the industry

and society. Students are made aware about various research funding schemes of Government, AICTE, DST, DBT, SPP University. Regular industrial visits for the students are arranged.

The institute has mandated all the post graduate students to write and publish at least one research paper based on their project work. The institute had faculty exchange program under Erasmus Mundus with Aalborg University-Denmark.

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

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

45

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
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

08

File Description	Documents
URL to the research page on HEI website	http://scoe.sinhgad.edu/academics/research.aspx
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	No File Uploaded

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

64

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

27

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

1. National Service Scheme (NSS):

The Institute plays a vital role in fostering social responsibility among the students and their holistic personality development through the participation in extension activities. The institute encourages and supports the students to participate in social activities. NSS helps the students to develop a concern on the health, environment, improving life of rural people through community service. The activities like traffic management, health, environment protection, organ donation etc. are carried out to shape every volunteer to be a responsible citizen about social issue.

- Organizing blood donation camps
- To develop concern about environment, activities like Swachh Bharat Abhiyan, Tree Plantation Drive and Plastic Free City are carried out.

2. PRAYAS Youth Forum Social Awareness Foundation, Pune.

- The institute has Prayas unit where in several students participate in different activities. Prayas Youth Forum and Social Awareness Foundation is a non-profit organization which promotes and supports educational and development efforts in India. Prayas is registered under Societies Registration Act, 1860 under Government of Maharashtra. 'Prayas' meaning endeavor. Prayas is making efforts towards bridging the gap between India and Bharat (widely coined as rural India) through contribution in different initiatives.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/3.4.3_SC OE_NSS_Annual_Report_2021_2022.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

02

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

25

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the 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

1529

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

3.5 - 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

671

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

12

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.

Institute situated in beautiful landscape and have well equipped laboratories, spacious classrooms and good infrastructure facilities

Teaching-Learning Facilities

1. Classrooms: furnished with LCD Projector, LAN/Wi-Fi connectivity, capacious and well ventilated.
2. Laboratories: with adequate experimental set-ups as per the University syllabus.
3. Computing Equipment: 1046 no. of computers with licensed software installed with supporting peripherals
4. Departmental Library: Access to text books, reference books and project reports etc.
5. Central Workshop : equipped with sufficient no of machines tools.
6. Drawing Hall : equipped with drawing boards, stools, chalk boards.
7. Central Library: enriched with 56,219 books, 14,989 titles of various current as well as syllabi-based books of all disciplines .
8. Training and Placement Cell: for conducting various T&P activities
9. Faculty Rooms : equipped with the required furniture along with LAN connection.
10. Washroom and Drinking Water Facility: Adequate Gents and Ladies washrooms are available in departments with water purification and cooling facility.
11. Hostel Facility: 11 no. of boys hostel with capacity of 4224 out of which one is for NRI students and 09 girls hostel with capacity of 3476.
12. Other Facilities: Canteen facility, Photocopy center, Laundry, Bank, ATM, Post office are available.

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

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

The institute encourages and provides infrastructural facility for the students to participate in several extra-curricular activities

1. Cultural Activities

- Sinhgad Cultural Center (Open Air theatre) having ample

space with Dias, Chairs, Lights, fans, LCD Projector and 1500 seating capacity for audience.

- Under the banner of 'Sinhgad Karandak', annual Cultural fest- NEON and Techfest- Techtonic are arranged every year.
 - The institute has Sinhgad Students Club, wherein a basket of 18 clubs are made available to the students to enhances their talents
1. Sports and Games: Facilities for outdoor sports include cricket, lawn tennis and indoor sports include table tennis, carom board, chess and swimming Pool.
 2. Yoga Center: To conduct Yoga and meditation session
 3. Medical facility: Campus clinic, Dental Hospital and Medical Store.
 4. Other Facility
 - General Stores.
 - Fruit Centre, Milk Parlor
 - Parlor
 - Power Backup /Generator
 - Central Water Pump House
 - Parking Facility
 - Ambulance

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

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

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

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

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

0.02

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 Central Library has a floor area of 1911m² in total, with a reading hall of 1145 m² to accommodate 1000 students. The library has a digital library, Web OPAC, reprographics, scanning, and access to DELNET, and NDLI facilities.

The library is automated with proprietary software SLIM 21 with a perpetual license.

1. Features of SLIM 21 Library Software: SLIM 21 Software has all the salient modules required for Library transactions & having multilingual Software support. The AACR II and MARC 21 formats are used at the back end for cataloging entries.

2. SLIM 21 Library Software Module details:

a)Cataloguing Module: Used for creating book database, and retrospective conversation using MS-Excel worksheet.

b.Circulation Module: Helps in all counter transactions as well as Library books, and periodical transaction activities.

c.Library Administration Module: Rules, working hours, and holidays are notified and students can be separated course and year-wise.

d.Acquisition Module: Book Purchase orders can be placed through this module.

e.Serial Control Module: Entries of Printed periodicals and journals and it gives reminders for the non-received issue.

f.Statistics module: Facilitates all types of tabular and graphical presentations of Library transactions.

g.OPAC:SLIM 21 has web OPAC with a remote search facility using simple search and advanced search for the users.

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

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

0.1411

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

106

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

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

- Institute is having a Campus agreement with Microsoft for the last twelve years, for the up-gradation of the Windows Operating System and Microsoft Application Software.
- The infrastructure and application support are regularly updated to meet the ever-changing needs of the syllabus.
- The institute has a 24x7 Wi-Fi facility on the campus for the student and faculty members to avail of internet connection at any place in the college and hostel. The Internet Bandwidth of 100 Mbps ILL 1:1 is available for the institute. TCL is the Internet Service Provider for the campus.
- Licensed UTM having the facility of firewall, web content filtering, gateway antivirus, VPN, bandwidth shaping, and VLAN routing is available with the institute. Institute

Computers having internet connectivity are secured with Quick Heal antivirus.

- Institute is having a biometric machine for taking attendance of faculty and staff members.
- Enterprise Resource Planning (ERP) based training and placement management module JUNO CAMPUS is used by the institute for creating and updating the studentdatabase..
- At the Institute level, two main platforms are available to communicate with students namely Facebook (<https://bit.ly/34xh6Nj>) and YouTube ([https://www.youtube.com/c/Sinhgad College of Engineering](https://www.youtube.com/c/Sinhgad%20College%20of%20Engineering)).

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

4.3.2 - Number of Computers

1046

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)

114.07

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

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

The following maintenance activities are carried out at Department and College Level

1. Classrooms, Seminar Hall and Tutorial Rooms: Repair work of the classroom, seminar hall, and tutorial rooms is done internally through instructor and electricians whereas rooms are cleaned by peons

2. Central Library: Is maintained and each section in it is taken care of by an assigned person for cleanliness, Book Stacks and books are weeded out as per the norms and procedures laid down by the society.

3. Laboratory Equipment: The faculty in charge and the technical assistant look after the maintenance and calibration of each laboratory.

4. IT infrastructure: All the computers and peripherals are checked by the technical assistant for any problems.

The following maintenance activities are carried out at the Campus Estate office level

1. Civil Work Maintenance :

2. Garden Maintenance :

3. Furniture Maintenance:

4. Electrical Maintenance :

5. Water Treatment Plant:

6. Generator:

7. Fire Extinguisher and Safety:

8. Sewage Treatment Plant:

9. Garbage Collection:

10. Water Supply from Canal:

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/4.4.2_Established_systems_and_procedures.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

4066

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

211

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://scoe.sinhgad.edu/NAAC/SCOE/5.1.3_merged.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

786

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

786

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

595

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

19

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

48

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.

5

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)

Students constitute a major stakeholder in institutional growth. The institute believes in promoting better stakeholder relationships involving candidature of students on academic and administrative bodies. The institute believes that for overall and holistic development, the participation of students plays a major role. The institute has student representatives in many of the academic and administrative bodies/committees of the institution for effective functioning of the same.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/5.3.2_merged_pdf.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

7

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

The Institute has played a key role in transforming the careers of students into global technophile, entrepreneurs, researchers, directors, and managers. In order to cultivate a bond with almatmater, improving job opportunities, and creating a networking platform to share and influence the success stories of alumni, the institute has started alumni association on 06th December 2003. The registration number of association is "Maharashtra /1494/2003/ Pune/Dec. 6, 2003." By the end of the academic year 2021, the alumni association had grown up to 18,100 plus members and 200 entrepreneurs. The alumni association has established a strong bonding between alumni and current students. Working committee of Alumni Association consists of Students representatives and Faculty Coordinators from each department. At present the alumni association does not contribute financially to the development of the institute; however it helps in several support services by way of Training and placement, student projects and internship, higher education, expert and guest lectures, industrial visits and participation in different student clubs and social activities.

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

5.4.2 - Alumni contribution during the year **E. <1Lakhs**
(INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision

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

Mission

"Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing a unique value system, transparent work culture, and excellent academic and physical environment, conducive to learning, creativity, and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant society"

Transparency is maintained in the administrative affairs of the college for unique work culture and an excellent academic environment for the betterment of students and faculty. The Vision and Mission are communicated to all the students, teachers, staff, and other stakeholders by various means and also making it available to all the stakeholders. HoDs prepare plans and which are discussed and finalized and monitored by the principal and IQAC periodically for imbibing a unique value system, transparent work culture, excellent academics, creativity, and inculcation of human values.

The Teaching-Learning process is adopted with state-of-the-art infrastructure and classrooms with ICT tools. Qualified and dedicated faculty takes efforts for the betterment of students by participating in various activities. The action taken reports is prepared and appraised to all the concerned.

File Description	Documents
Paste link for additional information	Nil
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 organizational structure of SCOE is a blend of professional autonomy, individual accountability, and a well-defined administrative structure. Within this overall framework, faculty members have autonomy in conducting their research, training, and consultancy. The involvement of faculty members is seen in all aspects of academic and administrative activities. The Institute has 27 institute level committees including statutory committees and 70+ department-level committees

The teaching-learning process is monitored by the Academic Monitoring Committee of the department, which include senior faculty members. The HoD allocate course to the faculty and ensures that the academic calendar and timetable of the department are prepared by incorporating academic activities proposed by SPPU and IQAC. The principal and HoD empower the AMC coordinators for monitoring and prepare reports on the academic conduction as per the plan. They monitor the daily conduction of lectures and practicals and also prepare a report which will be communicated to the higher authority.

The Guardian Teacher system is implemented to address the academic and personal issues of about a batch of 20 students. The feedback is taken twice in a semester and analyzed and communicated to the concerned faculty member/s through HoDs for further corrective actions if any.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.1.2_effective.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institution strategically takes efforts to develop students through various capacity and skill enhancement initiatives, make them employable resulting in good placements. The institute has established and ensured the quality academic practices for excellence in teaching learning process. Information shared by stakeholders is utilized to improve quality of programs. The institute is committed for overall development of students involving curricular, co and extra- curricular activities. This is achieved by ensuring participation of students in initiatives like:

1.Improvisation of soft skills through Student Training Program (STP)

The institute has implemented STP in every semester to enhance students' communication, language & soft skills. Different modules focus on Aptitude and logical reasoning, Personality & stress management, Behavioural, Listening, Speaking, Reading & Writing skills, Group Discussion, Personal Interview etc.

2 .Learning through Value Added Programs

The institute conducts activities like guest lectures, certification courses via value-added programs, MOUs with industries for organizing workshops, guest lectures on upcoming trends and technologies in corporate world.

3. Introducing initiatives for life skills

The initiatives like lecture on health care and mental health through Yoga, diet and nutrition, Blood donation camp, Mega cleanliness drive help the students in overall performance resulting into good placements.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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.

The institute has a well-established administrative setup. Due departmental representation is ensured at institute level committees. Some of the committees are listed below:

1. Anti-Ragging Committee
2. Website Committee
3. Grievance Redressal Committee
4. Internal Complaints Committee
5. Research Co-ordination Committee
6. Alumni Committee

The departments of the institute have departmental committees coordinated by faculty members and monitored by the Head of the Department for effective and efficient performance of the department. The service rules and regulations manual defines the duties and responsibilities and all other policies for various categories of employees. The institute has website which displays all the important information. It also has well defined policy for carrying out various consultancy and research projects.

The Chief Examination Officer (CEO) coordinates for university examinations and results, Chief Librarian for Central library, Dean for Training and Placement Office, rector and warden for boys' and girls' hostel and mess, Estate officer for regular maintenance of infrastructure facilities in the campus.

The institute's administrative department is headed by Registrar which includes establishment section, students section, scholarship section, examination section etc. The accounts department looks after financial aspects and financial audits of the institute.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	http://scoe.sinhgad.edu/NAAC/SCOE/6.2.2_Institutional_Organogram.pdf
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	No File Uploaded
Screen shots of user inter faces	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

1. Personal/ General Welfare Schemes for all staff:

The institute has well defined rules for earned leave, medical leave and Maternity leave (180 days), EMBF. Campus has a clinic and an ambulance available 24x7. Medical treatment is provided at concessional rates at SKN Medical College & General Hospital and Sinhgad Dental College & Hospital for staff and their families.

The institute has Staff quarters and common facilities available in campus so that students need not to leave campus for service like nationalized bank, ATM, swimming pool, gymnasium, or any general need. There is availability of canteens and mess facility for students, teaching and non-teaching staff. There are security guards posted at institute and residential areas in campus. Pune Municipal Corporation bus facility is made available to students.

2. Welfare schemes for professional growth of teaching and Non-teaching staff:

The institute motivates and support faculty to pursue higher studies. The institute organizes Train the Trainer (TTT) programme to identify the areas of improvisation in course conduction and resource sharing. The Institute encourages and motivates the faculty to attend refresher course to upgrade domain knowledge and improve pedagogy skills. Faculty are inspired to develop interaction with industry and involve in research projects.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.3.1_Welfare_Measures.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

0

File Description	Documents
Upload any additional information	No File Uploaded
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

5

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

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

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

120

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

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

The Institute has well established system for annual appraisal of teaching and non-teaching staff. It consists of self-appraisal and appraisal by the reviewing officer.

1. Performance Appraisal System of the Teaching Staff

The appraisal form of teaching faculty consists of four parts covering Student Centric activities, Professional Development and Academic Contribution, Research Contribution and Assessment by the Head of Department and the Principal.

For evaluating performance of a professor more emphasis is given to research contribution whereas for assistant professor more emphasis is given to student centric activities.

After self-evaluation, it is submitted for remarks and endorsement by HoD. After final remarks by Principal the same is forwarded to the management.

2. Performance Appraisal System of the Non- Teaching Staff:

The performance-based appraisal system for non-teaching staff is in paper based format and it covers General information, officiating designation and Quality of work, Communication, Supervisory ability, Initiative and cooperation, Interpersonal relations. It has remarks by Head of Department followed by Principal's remarks.

The appraisal form of each staff is screened by the apex authority of society, and guidelines if any for improvement are informed to the concerned staff.

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

6.4 - Financial Management and Resource Mobilization

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

The institute conducts transparent internal and external financial audits periodically. The internal financial audit of the Institute is entrusted to a committee of 3 or 4 accountants working with the STES along with the institute's accounts department.

All the documents are verified by the accounting officer, and any

discrepancies are brought to the attention of the head of department for immediate rectification. The accounts department consolidates all the expenditures made in the financial year.

Every financial year, the external financial statutory audit is conducted by a chartered accountant. A comprehensive examination and verification of all the financial transactions are carried out. All observations and objections of the auditor are communicated through their report to the institute. These are examined by the Principal, the internal auditor, and the accounts department. The short comings in the auditor's report are addressed and rectified through compliance with necessary supporting documents within the stipulated time limits.

File Description	Documents
Paste link for additional information	Nil
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)

2

File Description	Documents
Annual statements of accounts	No File Uploaded
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

The institute has an effective system at place to track how well the financial resources are being used. The financial budget for the academic year is prepared by considering all the possible income and expenditure.

Being a self-financed college, the primary source of income to the

college comes from the fee paid by the students. Every year, the Fee Regulating Authority, Government of Maharashtra, approves the college fees after taking into account all of the institute's expenses, including the audit reports. The FRA-approved fees were maintained for the academic year 2021-2022 because there was no fee revision.

Various funding schemes of SPPU under QIP are utilized for organization of conferences, workshops, Purchase of examination and sports related equipments. Research funds are also received by the faculty members from ASPIRE, BCUD.

The Institute apply for various schemes of NSS and Student Welfare Department of SPPU and accordingly utilize the sanctioned funds for organizing various activities as per the norms of SPPU.

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

6.5 - Internal Quality Assurance System

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

The IQAC comprises of senior faculty and expert members from management, industry, research institutes, social organizations, etc. IQAC is instrumental for coordinating quality-related activities in the institute. As a result of IQAC initiative, the following two practices are institutionalized.

1. Strengthening Core and Inter-Disciplinary Research Among the Faculty and Students

In view of emerging trends in engineering and technology and the requirements of industry and their feedback, the IQAC encourages core and interdisciplinary research areas.

2. e-Resources Usage and Development

The IQAC of the institute has encouraged teachers and students to register in various online courses like NPTEL. As a result several faculty and students attended and were certified by the above agencies in various contemporary technological domain.

The institute is a nodal center for Virtual lab (VLab) of IIT Bombay. This facility was utilized by the engineering departments during pandemic period and even now. Majority of the courses' practical are covered by way of virtual experimentation, modeling and simulation using VLab. Also the faculty of the institute has developed and shared the e-content of the courses with the students on regular basis.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.3.4_Teachers_undergoing_FDP.pdf
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

1.Strengthening of Programs by Utilizing Teaching and Learning Resources

The IQAC Cell of SCOE communicates guidelines for effective teaching learning process and learning outcomes. This helps in maintaining an incremental improvement in various activities. The identified gaps in the curriculum are filled up by promoting Guest lectures, internships, etc. The gaps are also bridged by introducing Skill development courses (Honors courses) and audit courses offered by Savitribai Phule Pune University to the students along with the regular curriculum for their overall development. The institute encourages faculty and students to enroll for courses like NPTEL etc.

2.Adapting Technology for Teaching Learning Process and Administrative Purpose

IQAC encourages use of audio-visual aids during lectures and guest lectures for distant resource person through platforms like MS Teams, BitSmith etc. For administrative purpose, a mobile app is developed to pay the academic fees and examination fees. Examination forms are collected through Google forms generated by the examination section.

3. Yearly Annual Academic Audit is conducted for the review and HoDs prepare plan of action based on the internal academic audit

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.5.2_IO AC_Incremental%20Improvement.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	annual acedemic report 2021 22.pdf (sinhgad.edu)
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
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

The Institute is a co-aid college. The management provides equal opportunities to all, irrespective of class, creed, gender etc. It is carried out in following ways:

- **Special programs such as 'Celebration of International Women's Day', 'Awareness on Sexual Harassment', 'Health Awareness Program' etc. are arranged**

- Institute provides equal opportunity for all to participate in administrative, co-curricular and extracurricular activities.
- The institute gives equal opportunities to boys and girls to work as team leaders in various students' activities .
- Women grievances cell is formed and it functions separately for the benefit of the women employees and girl students.
- At present 40% of faculty members are women employees and 23% students are girl students in the institute. This shows a healthy percentage and representation of women in the Human Resources of the Institute.
- Girl students are encouraged to apply for different schemes / scholarships from various regulatory bodies, corporate and NGOs, etc.
- Three out of eleven heads of department are women. In addition, in all the institutional and departmental committees, women faculty members are assigned with important portfolios.

File Description	Documents
Annual gender sensitization action plan	http://scoe.sinhgad.edu/NAAC/SCOE/7.1.1_Promotion_for_Gender_Equity.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://scoe.sinhgad.edu/NAAC/SCOE/7.1.1_Safety_Security_In_the_Campus.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

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

1. **Liquid waste management:** The institute has a Sewage Treatment Plant of 275 KLD installed in the campus which caters for treatment of wastewater generated in the entire campus. The plant is well maintained by an outside agency through an Annual Maintenance Contract which is renewed periodically. The treated wastewater is recycled and reused for gardening purpose. Recycle and reuse of wastewater has resulted in reduced dependency on fresh water . The urinals in few of the departments are converted into waterless urinals thus resulting in huge saving of fresh water. Support staff looking after cleaning of these urinals are trained for proper usage of the system.
2. **Biomedical waste management:** Biomedical waste collected in the campus is disposed-off through a mechanism set by Sinhgad Dental College & Hospital located in the campus.
3. **E-waste management:** Keeping in mind the global hazards of electronic waste, Institute has set up a mechanism for removal of E-waste and scrap.
4. **Waste recycling system:** Waste water recycling is practiced in the institute as mentioned above. Emphasis is given on use of one side papers for internal communication. Other scrap is given to an outside agency with whom an MoU has been signed.

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 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 **C. Any 2 of the above**

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:

A. Any 4 or All of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
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	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage

B. Any 3 of the above

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

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	No File Uploaded
Any other relevant information	No File Uploaded

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

Institute is taking efforts in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Institute is undertaking various initiatives in the form of celebration of days of Eminent personalities National Festivals, NSS and other such activities to provide for an inclusive environment by bringing students and teachers with diverse backgrounds on a single platform for creating an inclusive environment.

1. Cultural & Regional Programs: :

Institute organizes cultural programs event such as Suman karandak/ Symbiosis karandak, Purushottam karandak. for all the students and its planning and execution is done by students with the guidance of faculty. Institutes organise an event called "Sinhgad Karandak", a national level event. The events consist of Sing

2. Days of National Importance:

ing, Dancing, Fashion Show, Street Play, Mr. and Miss. Sinhgad, Traditional Day etc.

Teacher's day is celebrated on 5th September. In this event Students will be able to organize and successfully conduct the program. Students will be able express their gratitude towards faculty and staff.

Republic Day and Independence Day are celebrated every year. All teaching, non-teaching staff and students participate in these national festivals. Inspiring speeches are delivered on the occasion by the chief guest.

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

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

The Institute has all exclusive campus that has all the facilities required. This includes all support facilities right from boys and girls hostels, staff quarters, more than 10 mess, various canteens, banks, ATM, post office, stationery shops etc. So students who come from other cities are not required to go to the city for their daily needs. The institute has a big central library which has a sitting capacity of more than 3000 students at a time. The special feature of the Library is that any student from any faculty (engineering / architecture / pharmacy etc.) can borrow book from any other faculty (like MBA / Science College etc), all libraries being situated in the same building. Apart from academics, there are various clubs like photography, Rocketary etc. which help students to excel in co curricular and extra curricular activities. The institute has good sports facilities in the form of cricket ground, tennis ground etc that helps students to keep themselves physically fit. The Teacher Gurdian scheme helps students to get immediate help on their personal issues as well as academics related issues. Campus clinic is available for treatment in case of any medical emergency.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://scoe.sinhgad.edu/NAAC/SCOE/7.1.9_final.pdf
Any other relevant information	Nil

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

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	No File Uploaded

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

Institute students are on a mission towards better India by breaking the boundaries of religion and caste. The institution practices a pluralist approach towards all religious functions and encourages the students and faculty to showcase the same. Staff and students get to know the importance of national integrity in the country in general and their role in particular. 1. 15th September Engineers Day: Institute celebrates this day on 15th September consistently as exceptional tribute to the occasion of Birth Anniversary of Bharat-Ratna Sir Mokshagundam Visvesvaraya.

2. 22nd March World Water Day: Entire World celebrates world water day every year on 22nd March. Day is used to advocate for the sustainable management of freshwater resources, issues include water scarcity, water pollution, inadequate water supply, lack of sanitation, and impacts of climate change. This year declared theme was, "Ground Water : - Making Invisible - Visible" 3. 21st June International Yoga Day: - Yoga is a physical, mental and spiritual practice which originated in India. The International Day of Yoga has been celebrated annually on 21 June. Institute celebrates this day along with Teaching, Non-Teaching Faculty Members and Students.

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	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Students Training Programmes I to V (STP I to V) and VLab are the two best practices currently being followed in the Institute.

STP Objectives: To make students employable and market ready. Students are introduced to various skills such as personal and career goal setting, SWOT Analysis, Speaking skills, Listening Skills, refreshing technical fundamental concepts, GDPI, Value Added Programs to enhance domain knowledge etc. The program has helped in motivating and preparing the students for better employment during placement. The outcome of this has been judged from the current final year placement of students, which shows the significant improvement compared to previous years. Institute always strives hard to give the best possible to the students for their overall development. STP I to V being run have resulted into better placements over the years

VLab: To avail online experiments for self-study & to save time. VLab helps to optimize time and resources as the experiments can be performed online. Students are able to get experience of

the equipments not available in the institute.
Experiments/Contents beyond syllabus could be availed.

File Description	Documents
Best practices in the Institutional website	http://cms.sinhgad.edu/media/534862/7.2_best_practices.pdf
Any other relevant information	http://cms.sinhgad.edu/sinhgad_engineering_institutes/vadgaon_scoe/naac/igac.aspx

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

The Institute has all exclusive campus that has all the facilities required. This includes all support facilities right from boys and girls hostels, staff quarters, more than 10 mess, various canteens, banks, ATM, post office, stationery shops etc. So students who come from other cities are not required to go to the city for their daily needs. The institute has a big central library which has a sitting capacity of more than 3000 students at a time. The special feature of the Library is that any student from any faculty (engineering / architecture / pharmacy etc.) can borrow book from any other faculty (like MBA / Science College etc), all libraries being situated in the same building. Apart from academics, there are various clubs like photography, Rocketary etc. which help students to excel in co curricular and extra curricular activities. The institute has good sports facilities in the form of cricket ground, tennis ground etc that helps students to keep themselves physically fit. The Teacher Gurdian scheme helps students to get immediate help on their personal issues as well as academics related issues. Campus clinic is available for treatment in case of any medical emergency.

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

Sinhgad College of Engineering is an unaided private Engineering College affiliated to Savitribai Phule Pune University Pune, and approved by AICTE, New Delhi. The college strictly adheres to curriculum prescribed by SPPU.

Effective curriculum delivery is ensured through a transparent process as given below:

1. The semester of every academic year begins with adherence to the University Academic Calendar which ensures that academic activities are planned well in advance. The institutional academic calendar is prepared based on the university academic calendar for every semester with a balanced distribution of curricular, co-curricular and extra-curricular activities.
2. The teaching load distribution is done before start of semester. A comprehensive objective-driven teaching plan, course file, laboratory manuals, PPT are prepared by the subject teachers.
3. Faculty motivated to attend FDP, workshops, syllabus discussion/implementation workshops conducted at different institutes at the university level.
4. Periodic review of teaching-learning process is taken in the form of syllabus completion reports, systematic internal examination process, guest lectures, seminars, internships, and projects to add impetus to the Teaching-Learning process.
5. The institute encourages the faculty and students to complete certification from different online courses like Coursera, NPTEL.

The academic progress, grievances, and stakeholder's feedback are taken periodically

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

The Semester of every academic year begins with adherence to the University Academic Calendar which ensures that Academic activities are planned well in advance.

1. The departmental calendar clearly mentions test, mock practical test along with practical and project submission schedules.
2. The question bank and solutions are shared with the students before test conduction.
3. The evaluation criteria for mock practical tests are conveyed to the students so as to prepare and perform well.
4. An academic monitoring committee ensures that all academic activities are carried out on a regular basis so as to enhance the academic results of the students.
5. A teacher guardian scheme is in place which is judicious enough so that the batch of students assigned to a faculty member is monitored closely for achieving enhanced academic performance.
6. All types of evaluation sheets are finally compiled into a term work evaluation sheet which ensures that the students get the marks they deserve based on their academic performance for the semester.
7. In case of any last minute deviations in the given academic schedule by the university, due to unforeseen circumstances, the institution adopts the revised schedule.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution

A. All of the above

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

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

17

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

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

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

23

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
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

3588

File Description	Documents
Any additional information	No File Uploaded
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

For almost all programs, courses addressing Professional Ethics and Human Values are offered as mandatory audit courses such as - Leadership and Personality Development, Professional Ethics and Etiquettes, Essence of Indian Traditional Knowledge, Code of conduct, Humanity and Social Sciences, Social Awareness and Governance Program, Intellectual Property Rights and Patents, Emotional Intelligence, Human Behaviour, Patent Law for Engineers and Scientists, Principles of Human Resource Management, Business Ethics, Introduction to Constitution, etc.

The curriculum includes various courses that address Environment, concern for environment, awareness on hazards for environment. For example, the first year B.E. the program includes a mandatory audit course in both the semesters on 'Environmental Studies'. Mandatory audit courses at 2nd, 3rd and 4th year level has been incorporated by university in all programs, e.g. Water Management, Ecology and Environment, Ecology and Society, Science-Technology and Society, Green Construction and Design, Smart Cities, Sustainable Energy Systems, Energy Resources, Economics and Environment, Non-Conventional Energy Resources, Industrial Safety and

Environment Consciousness, Green Computing, Sustainable energy systems, Urbanization and Environment, Environmental & Resource Economics, Environment and Development. Apart from this, there are core and elective courses to Biotech, Civil, Chemical, and Mechanical programs such as Environmental Biotechnology, Bioenergy and Renewable Resources, Environmental Engineering, Water Supply Engineering, Energy Audit and Management, Solar and wind energy, etc.

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

95

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

4743

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://scoe.sinhgad.edu/NAAC/SCOE/1.4.1_Feedback.pdf
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	No File Uploaded

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://scoe.sinhgad.edu/NAAC/SCOE/1.4.2_FeedBack.pdf

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

962

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

525

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

The students are being assessed through the internal as well as external assessment criteria systematically. However, it is realized that every student is different and everyone has different capabilities. Such students are classified as slow learners and advanced learners.

These students are identified through various parameters such as -

- Continuous assessments
- Attendance /regularity
- University results
- Discretion of teacher based on live teaching
- Regular assignments and tests

Once such slow learner students are identified, they are taken care specially through various well supported efforts. These efforts are -

- Remedial/extra classes and practicals
- Assignments
- Counseling & motivation by subject teachers, class teachers and guardian teachers
- Communication with parents

Similarly, the advanced learners are well supported through various techniques below -

- Prepare for global certifications
- Participate in value added training programs
- Help in getting Industry sponsored projects, internships
- Enroll in Research and e-learning material like Course-era, NPTEL etc.
- Motivation to pursue higher studies and research through GATE, CAT/GRE and other examinations.
- Motivation for Paper presentations, workshops and conferences
- Organization and Participation in departmental/Institutional events
- Promotion in co-curricular and extracurricular activities and competitions.

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

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

Number of Students	Number of Teachers
5326	242

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

The development of the students in multiple dimensions is

necessary in professional engineering education. With this view, alongwith the traditional teaching-learning methods, the Institute provides innovative student centric activities. Various events, efforts taken in this direction are listed below -

1. Various Competitions
2. Internships in Industries
3. Various Students' Chapters and Clubs
4. Industrial visits
5. Technical events
6. Workshops /Seminars
7. Exposure to Virtual Lab environment through tie-up with IIT Bombay
8. IIT spoken tutorials, NPTEL, etc.
9. Students Training Programs (STP)
10. Project Based Learning (PBL)

The experiential as well as participative learning takes place effectively in Industries. Internship is one of such activities. Students complete internships in various private, government industries successfully.

Industry personnel are invited for delivery of expert sessions, workshops, seminars.

The Institute has liaison with IIT Bombay in context with Virtual laboratory and through Spoken Tutorials. Students also undergo various courses organized by NPTEL.

Project Based Learning (PBL) activities are carried out by the Institute. These activities are proven very useful in enhancing the systematic - problem solving ability.

Students Training Programme (STP) is the programme executed by the Institute with the aim of enhancement in employability of the students.

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

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

To enhance the learning experience of the students, recent educational methodologies, ICT is used by faculty members to make teaching learning a joyful experience.

- For all the programs, the institute has ICT enabled classrooms.
- The institute encourages the faculty members to use these recent teaching tools like Power Point Presentations (PPTs), related videos, animations, free online resources etc.
- Virtual laboratories and free online tools such as Compilers, SCILAB, AutoCAD, etc.
- The institute has seminar halls for all the programs and also has auditorium equipped with multimedia facilities.
- Swayam/NPTEL/MOOC, Virtual laboratory, SPOKEN TUTORIAL-IIT Bombay, such online resources are made available to the students.
- Due to COVID-19 pandemic situation, faculty members have fluently adopted various Platforms such as Zoom, Google Meet, Microsoft Teams, etc. The Institute has official credentials of Microsoft teams.
- Google / Microsoft platform were effectively used to upload video lectures, e-books/e material, assignments, practical submissions and online MCQ tests.
- Faculty members use social media platforms like WhatsApp and Telegram to connect with the students and parents.

All these multimedia aids make the learning experience of students' interactive, effective and enjoyable

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

242

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

242

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

57

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

1747

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.

The students undergo Internal and external assessments by well set process. These assessments are carried out timely and transparently. The internal assessment is carried out with various tools such as :

- Assignments/Class test/Mock test
- Tutorials
- Understanding of lab experiments
- Project evaluation
- Mini project evaluation
- Quiz
- Term work Assessment
- Project based learning

Continuous internal assessment of the students is carried out by assigning appropriate weight-age to understanding of experiments, presentation in file/journal, regularity in the laboratories, etc. This assessment is transparent and carried out in presence of the students in the laboratories.

Internal assessment of the project work of final year students is also carried out throughout the academic year periodically

Mini project is part of programme in various departments. It is complete term activity spread throughout the semester. The exhibition cum demonstrations is organized at the end of the term.

Assignments and tutorials are the important components of internal assessment process. Quizzes are also organized by many faculties for various courses to maintain enthusiasm in the learning environment.

Class tests and Mock tests are organized by the programmes throughout the academic year. Normally, two class tests are organized per course per semester.

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

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

Term work assessment is the transparent process. The students are evaluated by faculty in the laboratory itself. The grievance if any is resolved by faculty immediately.

- Class tests are conducted for each theory course twice per semester. Discrepancy or grievance if any is resolved by the faculty and respective committee immediately.
- Internal assessment of the project work of final year students is carried out throughout the academic year periodically. Query if any is resolved by the guide, panel & respective coordinator.
- When the University examinations are scheduled, sometimes students face difficulties and there are registered complaints at various stages accordingly.
- Examination form fill - up and payment of fee process is online. Sometimes students stuck in the process. In such cases, students report to examination section and get his/her difficulty solved.
- There are few complains reported pertaining to the Hall -

Ticket. These are also resolved by the office timely.

• When the students appear for examinations and the results are declared by the University, there are few cases of variation in the names, results etc. Such cases are resolved by the Institute through communication with the University.

File Description	Documents
Any additional information	View File
Link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/2.5.2_Student_grievances.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.

Engineering and management programmes follow the defined program outcomes (POs). For all the programs, POs, Programme Specific Outcomes (PSOs), and Course Outcomes (COs) have been articulated.

POs signify the graduate attributes (GA) whereas PSOs are specifically defined outcomes of the programme which the learners attain at the end of the programme. The dissemination of these POs and PSOs is done through

1. Institute Website
2. Student/ Faculty notice boards
3. Laboratory notice boards
4. Posters in corridors in each department, administrative areas
5. Laboratory manuals
6. Project work book
7. Conference proceedings
8. Various activities like FDP/STTP/etc. brochures
9. Department News Bulletin
10. Faculty Course files
11. Through various feedback forms

COs describe the fundamental knowledge skill set about the course that student will be able to acquire at the end of a course. University provides the semester wise syllabus for each

programme. For many courses COs are defined by the University. The mapping of COs with POs and PSOs is done for every course, as COs are the path way to attain POs and PSOs and thereby the Mission and Vision of the institute.

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

For any outcome based system, achieving the attainment level of the POs, PSOs, and COs is a key parameter. The following methods are used to assess the attainment of course outcomes.

a. Internal assessment

This includes performance of the student throughout the semester based on Theory/ Practical attendance, regular test exams, assignments, continuous assessment, Term work. Questions in the assessment tools are mapped with COs for good alignment of COs with POs.

b. University examinations

This consists of University End-semester examination.

CO Attainment is computed based on the students' performance through above mentioned assessment tools. The attainment levels for courses are finalized based on previous results / performances. The measurement of attainment is based on the actual percentage of students achieving the passing percentage of marks or more as in table below:

passing level of marks

attainment level

> 40-60%

1
61 - 80 %,

2
>81

3

Final CO attainment is computed by considering the performance of the students in the internal assessment (30% weight-age) and University examination (70% weight-age).

For mapping COs with POs and PSOs the correlation Level 1 means slight (low); 2 means moderate (medium) & 3 means substantial (high).

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://scoe.sinhgad.edu/NAAC/SCOE/2.6.2_attainment_CO_PO.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

1394

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://cms.sinhgad.edu/sinhgad_engineering_institutes/vadgaon_scoe/naac/aqar.aspx

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://cms.sinhgad.edu/media/528842/sss_2021-2022.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)

50.096

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

14

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

2

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	Nil

3.2 - Innovation Ecosystem

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

The institute has created a suitable environment to promote innovation, explore new ideas and share the knowledge to other likeminded in their interested domain for graduate, post graduate and Ph.D. students. As a part of this, the institute has R&D, Entrepreneurship cell through which students are encouraged to participate in different research activities. Workshops on Entrepreneurship, Research Methodology and Intellectual Property Rights are conducted to provide the base for researchers. As part of innovation, R&D cell encourages students and faculties for nurturing innovative ideas.

The R&D cell helps in identifying multidisciplinary innovative topics related to different engineering and management programs. The teaching-learning process at the institute is based on choice-based credit system of the University. It helps and motivate the students to do theme-based research projects which in turn make the students to have innovative knowledge helpful to the industry and society. Students are made aware about various research funding schemes of Government, AICTE, DST, DBT, SPP University. Regular industrial visits for the students are arranged.

The institute has mandated all the post graduate students to write and publish at least one research paper based on their project work. The institute had faculty exchange program under Erasmus Mundus with Aalborg University-Denmark.

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

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

45

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
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

08

File Description	Documents
URL to the research page on HEI website	http://scoe.sinhgad.edu/academics/research.aspx
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	No File Uploaded

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

64

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

27

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

1. National Service Scheme (NSS):

The Institute plays a vital role in fostering social responsibility among the students and their holistic personality development through the participation in extension activities. The institute encourages and supports the students to participate in social activities. NSS helps the students to develop a concern on the health, environment, improving life of rural people through community service. The activities like traffic management, health, environment protection, organ donation etc. are carried out to shape every volunteer to be a responsible citizen about social issue.

- Organizing blood donation camps
- To develop concern about environment, activities like Swachh Bharat Abhiyan, Tree Plantation Drive and Plastic Free City are carried out.

2. PRAYAS Youth Forum Social Awareness Foundation, Pune.

- The institute has Prayas unit where in several students participate in different activities. Prayas Youth Forum and Social Awareness Foundation is a non-profit organization which promotes and supports educational and development efforts in India. Prayas is registered under Societies Registration Act, 1860 under Government of Maharashtra. 'Prayas' meaning endeavor. Prayas is making efforts towards bridging the gap between India and Bharat (widely coined as rural India) through contribution in different initiatives.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/3.4.3_SCOE_NSS_Annual_Report_2021_2022.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

02

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

25

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the 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

1529

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

3.5 - 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

671

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

12

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.

Institute situated in beautiful landscape and have well equipped laboratories, spacious classrooms and good infrastructure facilities

Teaching-Learning Facilities

1. Classrooms: furnished with LCD Projector, LAN/Wi-Fi connectivity, capacious and well ventilated.
2. 2.Laboratories: with adequate experimental set-ups as per the University syllabus.
3. 3.Computing Equipment: 1046 no. of computers with licensed software installed with supporting peripherals
4. Departmental Library: Access to text books, reference books and project reports etc.
5. Central Workshop : equipped with sufficient no of machines tools.
6. Drawing Hall : equipped with drawing boards, stools, chalk boards.
7. Central Library: enriched with 56,219 books, 14,989 titles of various current as well as syllabi-based books of all disciplines .
8. Training and Placement Cell: for conducting various T&P

activities

9. Faculty Rooms : equipped with the required furniture along with LAN connection.
10. Washroom and Drinking Water Facility: Adequate Gents and Ladies washrooms are available in departments with water purification and cooling facility.
11. Hostel Facility: 11 no. of boys hostel with capacity of 4224 out of which one is for NRI students and 09 girls hostel with capacity of 3476.
12. Other Facilities: Canteen facility, Photocopy center, Laundry, Bank, ATM, Post office are available.

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

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

The institute encourages and provides infrastructural facility for the students to participate in several extra-curricular activities

1. Cultural Activities

- Sinhgad Cultural Center (Open Air theatre) having ample space with Dias, Chairs, Lights, fans, LCD Projector and 1500 seating capacity for audience.
- Under the banner of 'Sinhgad Karandak', annual Cultural fest-NEON and Techfest- Tectonic are arranged every year.
- The institute has Sinhgad Students Club, wherein a basket of 18 clubs are made available to the students to enhances their talents

1. Sports and Games: Facilities for outdoor sports include cricket, lawn tennis and indoor sports include table tennis, carom board, chess and swimming Pool.
2. Yoga Center: To conduct Yoga and meditation session
3. Medical facility: Campus clinic, Dental Hospital and Medical Store.

4. Other Facility

- General Stores.
- Fruit Centre, Milk Parlor
- Parlor
- Power Backup /Generator
- Central Water Pump House
- Parking Facility
- Ambulance

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

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

65

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

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

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

0.02

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 Central Library has a floor area of 1911m² in total, with a reading hall of 1145 m² to accommodate 1000 students. The library has a digital library, Web OPAC, reprographics, scanning, and access to DELNET, and NDLI facilities.

The library is automated with proprietary software SLIM 21 with a perpetual license.

1. Features of SLIM 21 Library Software: SLIM 21 Software has all the salient modules required for Library transactions & having multilingual Software support. The AACR II and MARC 21 formats are used at the back end for cataloging entries.

2. SLIM 21 Library Software Module details:

a)Cataloguing Module: Used for creating book database, and retrospective conversation using MS-Excel worksheet.

b.Circulation Module: Helps in all counter transactions as well as Library books, and periodical transaction activities.

c.Library Administration Module: Rules, working hours, and holidays are notified and students can be separated course and year-wise.

d.Acquisition Module: Book Purchase orders can be placed through this module.

e.Serial Control Module: Entries of Printed periodicals and journals and it gives reminders for the non-received issue.

f.Statistics module: Facilitates all types of tabular and

graphical presentations of Library transactions.

g.OPAC:SLIM 21 has web OPAC with a remote search facility using simple search and advanced search for the users.

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

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

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)

0.1411

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

106

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

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

- Institute is having a Campus agreement with Microsoft for the last twelve years, for the up-gradation of the Windows Operating System and Microsoft Application Software.
- The infrastructure and application support are regularly updated to meet the ever-changing needs of the syllabus.
- The institute has a 24x7 Wi-Fi facility on the campus for the student and faculty members to avail of internet connection at any place in the college and hostel. The Internet Bandwidth of 100 Mbps ILL 1:1 is available for the institute. TCL is the Internet Service Provider for the campus.
- Licensed UTM having the facility of firewall, web content filtering, gateway antivirus, VPN, bandwidth shaping, and VLAN routing is available with the institute. Institute Computers having internet connectivity are secured with Quick Heal antivirus.
- Institute is having a biometric machine for taking attendance of faculty and staff members.
- Enterprise Resource Planning (ERP) based training and placement management module JUNO CAMPUS is used by the institute for creating and updating the studentdatabase..
- At the Institute level, two main platforms are available to communicate with students namely Facebook (<https://bit.ly/34xh6Nj>) and YouTube (<https://www.youtube.com/c/Sinhgad College of Engineering>).

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

4.3.2 - Number of Computers

1046

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)

114.07

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

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

The following maintenance activities are carried out at Department and College Level

1. Classrooms, Seminar Hall and Tutorial Rooms: Repair work of the classroom, seminar hall, and tutorial rooms is done internally through instructor and electricians whereas rooms are cleaned by peons

2. Central Library: Is maintained and each section in it is taken care of by an assigned person for cleanliness, Book Stacks and books are weeded out as per the norms and procedures laid down by the society.

3. Laboratory Equipment: The faculty in charge and the technical assistant look after the maintenance and calibration of each laboratory.

4. IT infrastructure: All the computers and peripherals are checked by the technical assistant for any problems.

The following maintenance activities are carried out at the Campus Estate office level

1. Civil Work Maintenance :

2. Garden Maintenance :

3. Furniture Maintenance:

4. Electrical Maintenance :

5. Water Treatment Plant:

6. Generator:

7. Fire Extinguisher and Safety:

8. Sewage Treatment Plant:

9. Garbage Collection:

10. Water Supply from Canal:

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/4.4.2_Established_systems_and_procedures.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

4066

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

211

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://scoe.sinhgad.edu/NAAC/SCOE/5.1.3_merged_pdf.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

786

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

786

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

595

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

19

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

48

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.

5

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)

Students constitute a major stakeholder in institutional growth. The institute believes in promoting better stakeholder relationships involving candidature of students on academic and administrative bodies. The institute believes that for overall and holistic development, the participation of students plays a major role. The institute has student representatives in many of the academic and administrative bodies/committees of the institution for effective functioning of the same.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/5.3.2_merged_pdf.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

7

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

The Institute has played a key role in transforming the careers of students into global technophile, entrepreneurs, researchers, directors, and managers. In order to cultivate a bond with almatater, improving job opportunities, and creating a networking platform to share and influence the success stories of alumni, the institute has started alumni association on 06th December 2003. The registration number of association is "Maharashtra /1494/2003/ Pune/Dec. 6, 2003." By the end of the academic year 2021, the alumni association had grown up to 18,100 plus members and 200 entrepreneurs. The alumni association has established a strong bonding between alumni and current students. Working committee of Alumni Association consists of Students representatives and Faculty Coordinators from each department. At present the alumni association does not contribute financially to the development of the institute; however it helps in several support services by way of Training and placement, student projects and internship, higher education, expert and guest lectures, industrial visits and participation in different student clubs and social activities.

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

5.4.2 - Alumni contribution during the year E. <1Lakhs

(INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision

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

Mission

"Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbining a unique value system, transparent work culture, and excellent academic and physical environment, conducive to learning, creativity, and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant society"

Transparency is maintained in the administrative affairs of the college for unique work culture and an excellent academic environment for the betterment of students and faculty. The Vision and Mission are communicated to all the students, teachers, staff, and other stakeholders by various means and also making it available to all the stakeholders. HoDs prepare plans and which are discussed and finalized and monitored by the principal and IQAC periodically for imbining a unique value system, transparent work culture, excellent academics, creativity, and inculcation of human values.

The Teaching-Learning process is adopted with state-of-the-art infrastructure and classrooms with ICT tools. Qualified and dedicated faculty takes efforts for the betterment of students by participating in various activities. The action taken reports is prepared and appraised to all the concerned.

File Description	Documents
Paste link for additional information	Nil
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 organizational structure of SCOE is a blend of professional autonomy, individual accountability, and a well-defined administrative structure. Within this overall framework, faculty members have autonomy in conducting their research, training, and consultancy. The involvement of faculty members is seen in all aspects of academic and administrative activities. The Institute has 27 institute level committees including statutory committees and 70+ department-level committees

The teaching-learning process is monitored by the Academic Monitoring Committee of the department, which include senior faculty members. The HoD allocate course to the faculty and ensures that the academic calendar and timetable of the department are prepared by incorporating academic activities proposed by SPPU and IQAC. The principal and HoD empower the AMC coordinators for monitoring and prepare reports on the academic conduction as per the plan. They monitor the daily conduction of lectures and practicals and also prepare a report which will be communicated to the higher authority.

The Guardian Teacher system is implemented to address the academic and personal issues of about a batch of 20 students. The feedback is taken twice in a semester and analyzed and communicated to the concerned faculty member/s through HoDs for further corrective actions if any.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.1.2_effective.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institution strategically takes efforts to develop students through various capacity and skill enhancement initiatives, make them employable resulting in good placements. The institute has established and ensured the quality academic practices for excellence in teaching learning process. Information shared by stakeholders is utilized to improve quality of programs. The institute is committed for overall development of students involving curricular, co and extra-curricular activities. This is achieved by ensuring participation of students in initiatives like:

1.Improvisation of soft skills through Student Training Program (STP)

The institute has implemented STP in every semester to enhance students' communication, language & soft skills. Different modules focus on Aptitude and logical reasoning, Personality & stress management, Behavioural, Listening, Speaking, Reading & Writing skills, Group Discussion, Personal Interview etc.

2 .Learning through Value Added Programs

The institute conducts activities like guest lectures, certification courses via value-added programs, MOUs with industries for organizing workshops, guest lectures on upcoming trends and technologies in corporate world.

3. Introducing initiatives for life skills

The initiatives like lecture on health care and mental health through Yoga, diet and nutrition, Blood donation camp, Mega cleanliness drive help the students in overall performance resulting into good placements.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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.

The institute has a well-established administrative setup. Due departmental representation is ensured at institute level committees. Some of the committees are listed below:

1. Anti-Ragging Committee
2. Website Committee
3. Grievance Redressal Committee
4. Internal Complaints Committee
5. Research Co-ordination Committee
6. Alumni Committee

The departments of the institute have departmental committees coordinated by faculty members and monitored by the Head of the Department for effective and efficient performance of the department. The service rules and regulations manual defines the duties and responsibilities and all other policies for various categories of employees. The institute has website which displays all the important information. It also has well defined policy for carrying out various consultancy and research projects.

The Chief Examination Officer (CEO) coordinates for university examinations and results, Chief Librarian for Central library, Dean for Training and Placement Office, rector and warden for boys' and girls' hostel and mess, Estate officer for regular maintenance of infrastructure facilities in the campus.

The institute's administrative department is headed by Registrar which includes establishment section, students section, scholarship section, examination section etc. The accounts department looks after financial aspects and financial audits of the institute.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	http://scoe.sinhgad.edu/NAAC/SCOE/6.2.2_Institutional_Organogram.pdf
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	No File Uploaded
Screen shots of user inter faces	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

1. Personal/ General Welfare Schemes for all staff:

The institute has well defined rules for earned leave, medical leave and Maternity leave (180 days), EMBF. Campus has a clinic and an ambulance available 24x7. Medical treatment is provided at concessional rates at SKN Medical College & General Hospital and Sinhgad Dental College & Hospital for staff and their families.

The institute has Staff quarters and common facilities available in campus so that students need not to leave campus for service like nationalized bank, ATM, swimming pool, gymnasium, or any general need. There is availability of canteens and mess facility for students, teaching and non-teaching staff. There are security guards posted at institute

and residential areas in campus. Pune Municipal Corporation bus facility is made available to students.

2. Welfare schemes for professional growth of teaching and Non-teaching staff:

The institute motivates and support faculty to pursue higher studies. The institute organizes Train the Trainer (TTT) programme to identify the areas of improvisation in course conduction and resource sharing. The Institute encourages and motivates the faculty to attend refresher course to upgrade domain knowledge and improve pedagogy skills. Faculty are inspired to develop interaction with industry and involve in research projects.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.3.1_Welfare_Measures.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

0

File Description	Documents
Upload any additional information	No File Uploaded
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

5

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

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

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

120

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

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

The Institute has well established system for annual appraisal

of teaching and non-teaching staff. It consists of self-appraisal and appraisal by the reviewing officer.

1. Performance Appraisal System of the Teaching Staff

The appraisal form of teaching faculty consists of four parts covering Student Centric activities, Professional Development and Academic Contribution, Research Contribution and Assessment by the Head of Department and the Principal.

For evaluating performance of a professor more emphasis is given to research contribution whereas for assistant professor more emphasis is given to student centric activities.

After self-evaluation, it is submitted for remarks and endorsement by HoD. After final remarks by Principal the same is forwarded to the management.

2. Performance Appraisal System of the Non-Teaching Staff:

The performance-based appraisal system for non-teaching staff is in paper based format and it covers General information, officiating designation and Quality of work, Communication, Supervisory ability, Initiative and cooperation, Interpersonal relations. It has remarks by Head of Department followed by Principal's remarks.

The appraisal form of each staff is screened by the apex authority of society, and guidelines if any for improvement are informed to the concerned staff.

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

6.4 - Financial Management and Resource Mobilization

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

The institute conducts transparent internal and external financial audits periodically. The internal financial audit of the Institute is entrusted to a committee of 3 or 4 accountants

working with the STES along with the institute's accounts department.

All the documents are verified by the accounting officer, and any discrepancies are brought to the attention of the head of department for immediate rectification. The accounts department consolidates all the expenditures made in the financial year.

Every financial year, the external financial statutory audit is conducted by a chartered accountant. A comprehensive examination and verification of all the financial transactions are carried out. All observations and objections of the auditor are communicated through their report to the institute. These are examined by the Principal, the internal auditor, and the accounts department. The short comings in the auditor's report are addressed and rectified through compliance with necessary supporting documents within the stipulated time limits.

File Description	Documents
Paste link for additional information	Nil
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)

2

File Description	Documents
Annual statements of accounts	No File Uploaded
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

The institute has an effective system at place to track how

well the financial resources are being used. The financial budget for the academic year is prepared by considering all the possible income and expenditure.

Being a self-financed college, the primary source of income to the college comes from the fee paid by the students. Every year, the Fee Regulating Authority, Government of Maharashtra, approves the college fees after taking into account all of the institute's expenses, including the audit reports. The FRA-approved fees were maintained for the academic year 2021-2022 because there was no fee revision.

Various funding schemes of SPPU under QIP are utilized for organization of conferences, workshops, Purchase of examination and sports related equipments. Research funds are also received by the faculty members from ASPIRE, BCUD.

The Institute apply for various schemes of NSS and Student Welfare Department of SPPU and accordingly utilize the sanctioned funds for organizing various activities as per the norms of SPPU.

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

6.5 - Internal Quality Assurance System

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

The IQAC comprises of senior faculty and expert members from management, industry, research institutes, social organizations, etc. IQAC is instrumental for coordinating quality-related activities in the institute. As a result of IQAC initiative, the following two practices are institutionalized.

1. Strengthening Core and Inter-Disciplinary Research Among the Faculty and Students

In view of emerging trends in engineering and technology and the requirements of industry and their feedback, the IQAC encourages core and interdisciplinary research areas.

2. e-Resources Usage and Development

The IQAC of the institute has encouraged teachers and students to register in various online courses like NPTEL. As a result several faculty and students attended and were certified by the above agencies in various contemporary technological domain.

The institute is a nodal center for Virtual lab (VLab) of IIT Bombay. This facility was utilized by the engineering departments during pandemic period and even now. Majority of the courses' practical are covered by way of virtual experimentation, modeling and simulation using VLab. Also the faculty of the institute has developed and shared the e-content of the courses with the students on regular basis.

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.3.4_Teachers_undergoing_FDP.pdf
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

1.Strengthening of Programs by Utilizing Teaching and Learning Resources

The IQAC Cell of SCOE communicates guidelines for effective teaching learning process and learning outcomes. This helps in maintaining an incremental improvement in various activities. The identified gaps in the curriculum are filled up by promoting Guest lectures, internships, etc. The gaps are also bridged by introducing Skill development courses (Honors courses) and audit courses offered by Savitribai Phule Pune University to the students along with the regular curriculum for their overall development. The institute encourages faculty and students to enroll for courses like NPTEL etc.

2.Adapting Technology for Teaching Learning Process and Administrative Purpose

IQAC encourages use of audio-visual aids during lectures and guest lectures for distant resource person through platforms

like MS Teams, BitSmith etc. For administrative purpose, a mobile app is developed to pay the academic fees and examination fees. Examination forms are collected through Google forms generated by the examination section.

3. Yearly Annual Academic Audit is conducted for the review and HoDs prepare plan of action based on the internal academic audit

File Description	Documents
Paste link for additional information	http://scoe.sinhgad.edu/NAAC/SCOE/6.5.2_IQAC_Incremental%20Improvement.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	annual academic report 2021 22.pdf (sinhgad.edu)
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
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

The Institute is a co-aid college. The management provides equal opportunities to all, irrespective of class, creed, gender etc. It is carried out in following ways:

- Special programs such as 'Celebration of International Women's Day', 'Awareness on Sexual Harassment', 'Health Awareness Program' etc. are arranged
- Institute provides equal opportunity for all to participate in administrative, co-curricular and extracurricular activities.
- The institute gives equal opportunities to boys and girls to work as team leaders in various students' activities .
- Women grievances cell is formed and it functions separately for the benefit of the women employees and girl students.
- At present 40% of faculty members are women employees and 23% students are girl students in the institute. This shows a healthy percentage and representation of women in the Human Resources of the Institute.
- Girl students are encouraged to apply for different schemes / scholarships from various regulatory bodies, corporate and NGOs, etc.
- Three out of eleven heads of department are women. In addition, in all the institutional and departmental committees, women faculty members are assigned with important portfolios.

File Description	Documents
Annual gender sensitization action plan	http://scoe.sinhgad.edu/NAAC/SCOE/7.1.1_Promotion_for_Gender_Equity.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://scoe.sinhgad.edu/NAAC/SCOE/7.1.1_Safety_Security_In_the_Campus.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar

C. Any 2 of the above

<p>energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment</p>	
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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

1. **Liquid waste management:** The institute has a Sewage Treatment Plant of 275 KLD installed in the campus which caters for treatment of wastewater generated in the entire campus. The plant is well maintained by an outside agency through an Annual Maintenance Contract which is renewed periodically. The treated wastewater is recycled and reused for gardening purpose. Recycle and reuse of wastewater has resulted in reduced dependency on fresh water . The urinals in few of the departments are converted into waterless urinals thus resulting in huge saving of fresh water. Support staff looking after cleaning of these urinals are trained for proper usage of the system.
2. **Biomedical waste management:** Biomedical waste collected in the campus is disposed-off through a mechanism set by Sinhgad Dental College & Hospital located in the campus.
3. **E-waste management:** Keeping in mind the global hazards of electronic waste, Institute has set up a mechanism for removal of E-waste and scrap.
4. **Waste recycling system:** Waste water recycling is practiced in the institute as mentioned above. Emphasis is given on use of one side papers for internal communication. Other scrap is given to an outside agency with whom an MoU has been signed.

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 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	C. Any 2 of the above
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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:	A. Any 4 or All of the above
<ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

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

<p>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</p>	<p>A. Any 4 or all of the above</p>
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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	No File Uploaded
Any other relevant information	View File

<p>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</p>	<p>B. Any 3 of the above</p>
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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	No File Uploaded
Any other relevant information	No File Uploaded

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

Institute is taking efforts in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Institute is undertaking various initiatives in the form of celebration of days of Eminent personalities National Festivals, NSS and other such activities to provide for an inclusive environment by bringing students and teachers with diverse backgrounds on a single platform for creating an inclusive environment.

1. Cultural & Regional Programs: :

Institute organizes cultural programs event such as Suman karandak/ Symbiosis karandak, Purushottam karandak. for all the students and its planning and execution is done by students with the guidance of faculty. Institutes organise an event called "Sinhgad Karandak", a national level event. The events consist of Sing

2. Days of National Importance:

ing, Dancing, Fashion Show, Street Play, Mr. and Miss. Sinhgad, Traditional Day etc.

Teacher's day is celebrated on 5th September. In this event Students will be able to organize and successfully conduct the program. Students will be able express their gratitude towards faculty and staff.

Republic Day and Independence Day are celebrated every year. All teaching, non-teaching staff and students participate in these national festivals. Inspiring speeches are delivered on the occasion by the chief guest.

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

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

The Institute has all exclusive campus that has all the facilities required. This includes all support facilities right from boys and girls hostels, staff quarters, more than 10 mess, various canteens, banks, ATM, post office, stationery shops etc. So students who come from other cities are not required to go to the city for their daily needs. The institute has a big central library which has a sitting capacity of more than 3000 students at a time. The special feature of the Library is that any student from any faculty (engineering / architecture / pharmacy etc.) can borrow book from any other faculty (like MBA / Science College etc), all libraries being situated in the same building. Apart from academics, there are various clubs like photography, Rocketary etc. which help students to excel in co curricular and extra curricular activities. The institute has good sports facilities in the form of cricket ground, tennis groud etc that helps students to keep themselves physically fit. The Teacher Gurdian scheme helps students to get immediate help on their personal issues as well as academics related issues. Campus clinic is available for treatment in case of any medical emergency.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://scoe.sinhgad.edu/NAAC/SCOE/7.1.9_f inal.pdf
Any other relevant information	Nil

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

B. Any 3 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	No File Uploaded

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

Institute students are on a mission towards better India by breaking the boundaries of religion and caste. The institution practices a pluralist approach towards all religious functions and encourages the students and faculty to showcase the same. Staff and students get to know the importance of national integrity in the country in general and their role in particular.

- 15th September Engineers Day: Institute celebrates this day on 15th September consistently as exceptional tribute to the occasion of Birth Anniversary of Bharat-Ratna Sir Mokshagundam Visvesvaraya.
- 22nd March World Water Day: Entire World celebrates world water day every year on 22nd March. Day is used to advocate for the sustainable management of freshwater resources, issues include water scarcity, water pollution, inadequate water supply, lack of sanitation, and impacts of climate change. This year declared theme was, "Ground Water : - Making Invisible - Visible"
- 21st June International Yoga Day: - Yoga is a physical, mental and spiritual practice which originated in India. The International Day of Yoga has been celebrated annually on 21 June. Institute celebrates this day along with Teaching, Non-Teaching Faculty Members and Students.

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	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Students Training Programmes I to V (STP I to V) and VLab are the two best practices currently being followed in the Institute.

STP Objectives: To make students employable and market ready. Students are introduced to various skills such as personal and career goal setting, SWOT Analysis, Speaking skills, Listening Skills, refreshing technical fundamental concepts, GDPI, Value Added Programs to enhance domain knowledge etc. The program has helped in motivating and preparing the students for better employment during placement. The outcome of this has been judged from the current final year placement of students, which shows the significant improvement compared to previous years. Institute always strives hard to give the best possible to the students for their overall development. STP I to V being run have resulted into better placements over the years

VLab: To avail online experiments for self-study & to save time. VLab helps to optimize time and resources as the experiments can be performed online. Students are able to get experience of the equipments not available in the institute. Experiments/Contents beyond syllabus could be availed.

File Description	Documents
Best practices in the Institutional website	http://cms.sinhgad.edu/media/534862/7.2_best_practices.pdf
Any other relevant information	http://cms.sinhgad.edu/sinhgad_engineering_institutes/vadgaon_scoe/naac/igac.aspx

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

The Institute has all exclusive campus that has all the facilities required. This includes all support facilities right from boys and girls hostels, staff quarters, more than 10 mess, various canteens, banks, ATM, post office, stationery shops etc. So students who come from other cities are not required to go to the city for their daily needs. The institute has a big central library which has a sitting capacity of more than 3000 students at a time. The special feature of the Library is that any student from any faculty (engineering / architecture / pharmacy etc.) can borrow book from any other faculty (like MBA / Science College etc), all libraries being situated in the same building. Apart from academics, there are various clubs like photography, Rocketary etc. which help students to excel in co curricular and extra curricular activities. The institute has good sports facilities in the form of cricket ground, tennis ground etc that helps students to keep themselves physically fit. The Teacher Gurdian scheme helps students to get immediate help on their personal issues as well as academics related issues. Campus clinic is available for treatment in case of any medical emergency.

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

The Institute plans to plans to bring it's vision into reality. Our vision is: "We are committed to produce not only good engineers but good human beings also". For this, it is planned to work on following areas:

1. **Strengthening Interdisciplinary Research & Consultancy:** The Institute is planning to start a central incubation centre that will cater for the requirements of all branches. Further, emphasis will be given on interdisciplinary projects and consultancy work.

2. **Starting Centre for Competitive Examinations and Foreign Language Training Centre:** Many of our students appear for competitive exams of Central Government as well as State Government. Students are working as Class I officers through UPSC as well as MPSC examinations. Institutes plans to guide these students from their 2nd year of engineering itself keeping in view long term benefits.

Also many students are interetsed in learning Foreign Languages. Institute plans to start centres for foreign language training. One such MoU has been recently signed with Accenture for imparting training in Japanese Language

3. **Promoting positive work culture with all stakeholders:** Institute plans to focus on inculcating good human values through Universal Human Value Programme of AICTE amongst all stakeholders.