



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		Sona College of Technology
• Name of the Head of the institution	Dr S R R Senthil Kumar	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	04274099919	
• Alternate phone No.	04274099999	
• Mobile No. (Principal)	9443366495	
• Registered e-mail ID (Principal)	principal@sonatech.ac.in	
• Address	Junction Main Road, Suramangalam(po), Salem	
• City/Town	Salem	
• State/UT	Tamil Nadu	
• Pin Code	636005	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	02/06/2023	
• Type of Institution	Co-education	
• Location	Urban	

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr . P . Suresh				
• Phone No.	914274099893				
• Mobile No:	9443227627				
• IQAC e-mail ID	suresh_p_g@sonatech.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.sonatech.ac.in/IQAC/AQAR%2021-22.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.sonatech.ac.in/downloads/Calendar-22-23.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.21	2012	15/11/2012	14/11/2017
Cycle 2	A	3.16	2018	02/11/2018	01/11/2023
6.Date of Establishment of IQAC			20/11/2012		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Institution	EDC	MoE- Innovation Cell	15/03/2023	-	
Institution	SIRO	DST	28/01/2021	-	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI			View File		

9.No. of IQAC meetings held during the year	6	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
National-level recognition received in NPTEL with excellent performance in the A++ category.		
We organised a nodal center for organising SIH and our students won prizes in Smar India Hackathon (SIH)		
Sona Institution Innovation Council (IIC) won cash prizes		
Implementation of Open-book assessments evaluates a student's ability to synthesize and apply information rather than memorize it.		
Identification of technical skills of the students in providing solutions to the problems assigned		
12.Plan of action chalked out by IQAC at 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				
To implement an academic collaborations	Madras Management Association (MMA) will continue to collaborate with Sona and bring insightful management programs to the community and also seize opportunities for intellectual collaborations.				
Tamil Nadu Students Innovation award(TNSI)	Sona student start-up				
To enact the Indo-Japanese cultural exchange program	Based on the performance in Japanese Language training getting placement in Japan around 60 students and students' interest in learning the language has increased.				
To inspire student participation in extracurricular activities	Extracurricular activities were organised and students won the prizes at state, and national levels				
Alumni Interaction	Achievements of students records are updated to our alumni through alumni web portal.				
13. Was the AQAR placed before the statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <thead> <tr> <th>Name of the statutory body</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>Governing Body</td> <td>05/08/2023</td> </tr> </tbody> </table>		Name of the statutory body	Date of meeting(s)	Governing Body	05/08/2023
Name of the statutory body	Date of meeting(s)				
Governing Body	05/08/2023				
14. Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					

Year	Date of Submission
2022-23	15/02/2023

15. Multidisciplinary / interdisciplinary

The vision and mission of Sona College of Technology focus on offering a full range of global standard programs in science, engineering, technology, and management studies to foster research and transform students into globally competent personalities. The CBCS curriculum focuses more on Humanities, Social Sciences, Management courses, Basic Science, Professional core and electives, open elective courses, employability enhancement courses, and mandatory courses. The Humanities and Basic Science courses contribute around 20% of the overall credits in the curriculum, along with STEM courses in all B.E/B.Tech Programs. The CBCS curriculum allows students to select the courses and credits based on their choice to equip themselves for their career growth. The curriculum offers credit-based Industrial Training, Internships in Industries, industry-oriented courses, Online Industrial courses, and Industry mentorship for the students to enhance their technical skills. In multidisciplinary education per NEP policy, students are encouraged to select open and core elective courses.

16. Academic bank of credits (ABC):

Academic Bank of Credit (ABC) will digitally store the academic credits earned by the students, and the process of implementing ABC will be initiated and under consideration.

17. Skill development:

Apparel/Assistant Fashion Designer certificate level program was conducted under (AICTE - UGC) National Skills Qualifications Framework (NSQF) during the academic session 2020 - 2021. Around 23 students have enrolled and benefited. Centre for Social Responsibility Initiatives aims to empower interested/ disadvantaged sections of society through skill and entrepreneurship development, non-degree continuing education and appropriate technology education/intervention/transfer programmes. The CSRI department has conducted the following programmes during 2020-21:

- Assistant Fashion Designer
- Dress Designing and Garment Making
- Sewing Machine Operator
- Multi Skilled Garment Technician
- Self-employed Tailor

The Department of Continuing Education has introduced the following Advanced Diploma / Certificate Programmes in different domains for candidates who aspire to gain the required skills to climb up their careers. The programmes are also offered to people working in other industries. The list of the programmes provided is as follows:

- Artificial Intelligence and Machine Learning
- Business Management
- Cyber Security
- Electric Mobility and Smart Systems
- Land Surveying
- Smart Manufacturing
- Wearable Technology
- Drone Technology
- Data Analytics
- Sports Medicine
- Yoga

Faculty members are encouraged to complete the AICTE - Universal Human Values program to handle sessions in the Induction program for first-year students. Through online education, one NPTEL course has been made mandatory for all the 5th-semester students under Regulation 2019 to study as a professional elective for credit transfer in their curriculum. ICT tools, namely Blackboard, LCS, Moodle and HireMee, are used in the teaching, learning and assessment process to promote digital education.

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

Students are motivated to do project work that is beneficial to societal welfare. To bring awareness on environmental issues and to impart Indian traditions among the youngsters, Environmental and Climate Science (in 3rd semester) and Essence of Indian Traditional Knowledge (in 4th semester) are included as mandatory courses in the CBCS curriculum under B.E/B. Tech Regulation 2019.

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

Outcome-based education (OBE) maximizes students' learning, improving their understanding, application, and skills. Outcome Based Education (OBE) has been practised in Sona since 2012. Various changes have been made to incorporate the concept of OBE into the academic curriculum and other activities.

According to Outcome Education guidelines, every program has Program Educational Objectives (PEOs), Program Outcomes (POs) specified by the NBA and Course Outcomes (COs). Every Course Outcome (Cos) is developed to represent a measurable outcome regarding skills gained. In Sona, every course syllabus is uniformly organized into five units, each designed to impart a specific skill. Each unit will have one Course Outcome (Cos). Course Outcomes (Cos) attainment is computed using direct method (through formative and summative assessments) and indirect method (through course end survey). COs of courses are mapped to POs. Program Outcomes (Pos) attainment is calculated based on the attainment of CO.

The curriculum of different programs is developed to impart wholesome knowledge. The true sense of OBE is captured by an industry immersion program, open electives, credit-based industry and NCC courses, and a few other features. The students can learn courses for MOOC platforms such as NPTEL, and credits are transferred.

The academic programs incorporated a multidisciplinary approach in designing the curriculum, giving students the advantage of learning from different domains of their choice. We will further strive to implement other features in the forthcoming regulations.

20.Distance education/online education:

To promote an optimal learning environment, the department will provide high-quality support for student's academic and career counseling at the institutional level. The department and the institution arrange sessions on Career opportunities, GATE awareness, education abroad, etc. Class counselors and faculty advisors are available to all students; they counsel and guide them in their careers for complete success.

To promote multilingualism and the power of language in teaching and learning, optional language elective courses like Japanese, German, and French are included in the curriculum to enhance students' placement opportunities in foreign countries.

The Entrepreneurship Development Cell trains the students through various aspects of the entrepreneurial ecosystem mentioned below by conducting a student development program. It motivates the students to participate in competitions like the TNSI award by EDII-TN, POWER ON ME pitching, and the MANTHAN Business Plan Competition by the Federation of Karnataka Chamber of Commerce and Industry (FKCCI).

Entrepreneurial Eco System

- EDII-TN IEDP-Salem Hub at Sona
- Sona Business Incubation Center (MSME-DI Supported)
- Institutions Innovation Council (Sona IIC) – MoE- Innovation Cell
- Sona Garage (Sona Innovation Centre)
- POWER ON ME- Idea Pitching Workshop
- Sona Incubation Foundation (SIF)

Students are encouraged to interact with the outside world through participation in technical and non-technical events like national and international conference presentations, hackathons, project design contests, etc., to enable personal accomplishment and enlightenment, engage in constructive public activities, and contribute productively to society as enlisted in NEP policy.

- The CBCS curriculum and the Engineering programs' syllabi are framed based on the AICTE model curriculum under Regulation 2019.
- In multidisciplinary education, per NEP policy, students are encouraged to select open and professional elective courses based on their interests.
- Various clubs are actively functioning and conducting numerous events for the student's participation in and across multiple institutions.
- It has been proposed that the NSS and NCC activities be included in the forthcoming regulation to promote the students' interest in joining the NSS and NCC wings.

Extended Profile

1.Programme

1.1 25

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5138

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **1420**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **4985**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 **1001**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **271**

Number of full-time teachers during the year:

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	25
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	5138
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	1420
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	4985
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	1001
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	271
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	271
Number of sanctioned posts for the year:	
4.Institution	
4.1	1109
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	110
Total number of Classrooms and Seminar halls	
4.3	2075
Total number of computers on campus for academic purposes	
4.4	3155.55
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The Institute has a systematic process for creating, revising, and implementing curricula in all the departments. The Institute's primary objective is to become a great reputed organization, in the fields of Engineering, Technology, and Management studies, by offering a full range of programmes of global standard to foster research and to transform the students into globally competent personalities. The primary objective of the undergraduate and

postgraduate programme is to produce globally competent graduates who can work across borders with a comprehensive education that meets the exact requirements of society and industry.

The college introduced the Choice Based Credit System (CBCS) in 2015. It was updated to Outcome Based Education (OBE) in 2019 to represent the graduate attributes of the Learning Outcomes-based Curriculum in compliance with the College's Vision and Mission. The aspects considered while designing the curriculum includes suggestions by stakeholders such as parents, industry experts, and alumni's, Syllabus and latest technologies from various reputed Indian and International organizations.

The curriculum has been carefully designed to address the current technologies and opportunities at the regional and global levels, as well as the fundamentals. There are several courses that provide solution based on their science and engineering knowledge that enables students to analyse local and regional needs. The project component embedded in the curriculum gives leverage to the students to engage in developmental activities related to small-scale industries.

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

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

7

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

651

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

87

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

25

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The Curriculum of all the programs of Sona College of Technology

integrates the cross-cutting issues related to Professional Ethics, Gender, Environment, and sustainability. The Professional Ethics and Human Values course helps students develop a strong sense of responsibility and integrity in their professional lives. They learn about ethical principles, moral reasoning, and decision-making frameworks that guide their actions in the workplace. The Human Values course enables the students to address the issues related to women empowerment, female foeticide prevention, child abuse, true professionalism, and responsible living.

Mandatory courses such as Constitutions of India are included in the curriculum to teach students rich knowledge of Indian culture and constitutions. Course on the Essence of Indian Traditional Knowledge gives students a rich understanding of Indian culture. Indian traditional knowledge has a long history and covers many fields, including medicine, philosophy, spirituality, and more. Indian traditional knowledge encompasses a wide range of practices, beliefs, and customs passed down from generation to generation. Stress management through yoga courses addresses the issues related to human values and sensitizes the students to global health. Environmental and Climate Science, and Environmental Safety courses describe the need for the conservation of natural resources like air, water, forests, and food. The impact of environmental and climate changes on human health is significant and is an essential consideration for engineering students. Students are encouraged to take part in and coordinate activities conducted by various clubs functioning for the students by the students. The club further enhances the social spirit through various activities.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

59

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2692

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1713

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.sonatech.ac.in/IQAC/feedback.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
---	---

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.sonatech.ac.in/IQAC/feedback.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1515

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

1043

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Education needs to be imparted as per the learning capability of the students. Every student is unique, with their strengths and weaknesses, learning styles and paces of acquiring knowledge. Sona College of Technology (SCT) has a dynamic mechanism for assessing the learning levels of students.

Special Programs for Advanced Learners (A category)

Learning based on Projects, motivating them to participate in National / International level competitions, encouraging them to study advanced courses in Online platforms, developing their extra-curricular activities by participating in student clubs, providing Competitive examinations coaching, offering research experience.

Special Programs for Average Learners (B category)

In addition to similar programs for advanced learners, they are offered special attention by faculty advisors to overcome difficulties, recommend participating in inter-collegiate competitions, and provide training to improve their scores in academics.

Special Programs for Slow Learners (C category)

The programs for slow learners aim to improve their academic performance, overcome their personal problems and channel their focus towards career improvement. The identified slow learners are attached to the peer teachers. After and before every assessment examination, remedial classes for each course are conducted and Study materials and question banks are provided.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
04/10/2023	5138	271

File Description	Documents
Upload any additional information	No File Uploaded

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 college follows various student-centric methods for an effective implementation of the teaching-learning process. Different methods are being adopted from time to time to improve the competencies of the students.

- Teaching Aids
- Various Teaching Methods
- Online Learning
- Invited Lectures
- Industry-offered courses
- Integrated Courses

The following methodologies are followed to ensure the provision of experiential learning: Student seminars, role play, project exhibitions, bazaar arrangements for business management students, short-term in-plant training in industries and internships.

Participative learning is a learning paradigm that initiates the active engagement of students in the learning process. Students are involved in different activities to learn and gain skills both academically and in extracurriculars. The activities are Assignments, Quizzes, guest lectures, workshops, group discussions, field visits, industrial visits, and learning through special labs.

Problem-solving skills are necessary for students. It prepares them to handle real-life problems. It is the ability to critically analyse a problem, map out all its elements and then prepare a workable solution. The industry looks for students who are good problem solvers. In almost all courses, problem-solving skills are embedded. This includes participation in special projects, national/international level project competitions, design contests, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The college follows various student-centric methods for an effective implementation of the teaching-learning process. In the

teaching and learning process, the lectures delivered by the faculty are supported by a set of teaching aids and teaching methods. Different methods are being adopted from time to time to improve the competencies of the students.

ICT tools are in great use by both the students and teachers. Sona has been developing and using the digital platform for teaching since 2005. Our campus has been enabled with digital technologies for education. Training of the teachers in ICT is conducted in the college to update their ICT skills and enable them to use the latest technology, thereby enhancing their competence and skill in handling the ICT tools. We have been using Blackboard as a learning management system (LMS). The platform is being used for content management and assessments.

The lecture sessions are posted online, so students can view their missed classes and home and view for better understanding. Course plans, Assignments, Quizzes and course materials like PPTs, videos, and documents are published in Blackboard software for all the courses so that all the students can access the course content.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.sonatech.ac.in/academics/ict-tools-and-resources
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

257

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Schedule

The academic schedule for each semester is prepared by the Member Secretary, Academic Council in discussion with the Dean of academics and Controller of Examinations. The principal will approve the prepared Academic schedule and it will be circulated to all faculty and students. Pre-planned dates for commencement of the classes, Continuous Internal Examination, last working day, Practical exam, semester-end examinations and a tentative date for reopening for next semester will be given in the schedule.

Teaching Plan

Faculty will update the Faculty Record Book with the following details: Course syllabus, Course delivery plan, Course outcomes and their mapping with Program Outcomes, Topics beyond the syllabus, learning resources planned, Course coordinator meeting etc. The faculty record book will be approved by the Head of the Department concerned. The course delivery plan has been prepared for the semester and forwarded to the HoD concerned for approval. It is also uploaded to the Blackboard software. The list of holidays is also prepared and forwarded to the principal. Approval from the principal is received and published on the college website.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

271

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc /

DLitt during the year**161**

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**3011**

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year****3**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year**46**

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The Office of the Controller of Examinations shall be responsible for assessing the continuous learning process of the students with the best quality standards in the examination process and ensuring confidentiality. The COE office has to arrange, prepare, schedule, conduct, publish and maintain records of CIE and Semester End Examinations of the students.

Examination Reforms

Industry Oriented Courses

- Students are allowed to undergo industrial training for 4/8/12 weeks. Students gain credits and forgo any one professional elective.

Open Electives

- In CBCS Open electives are mandatory in semesters 5, 6 & 7 where students can opt for courses from multi-disciplinary areas.

Online / NPTEL Courses

- These credits can be used to forgo one additional professional elective.

Internship

- Depending on the number of hours the internship is scheduled, credits can be transferred in place of a professional elective course of 3 credits or mini-project

Open Book Test

- To develop creative thinking, and application of knowledge and to nurture their skills, Open book tests have been conducted.

Student Publication

- In the final semester of all UG and PG programmes, students are encouraged to do project work along with publications in conferences, journals and patents.

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

2.6 - Student Performance and Learning Outcomes

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

Framing Institutional Vision, Mission and Quality Policy

The Vision and Mission statements are framed during the strategic planning committee meeting where faculty members including the Principal and HOD were present, Management review meetings and meetings with Alumni and Industry members. To achieve the vision of the institution, the mission statements were formulated. Both the vision and mission statements are presented in different meetings for feedback.

Framing departmental vision, mission, PEOs, POs, PSOs

The department frames PEO, PO, PSO, and CO following NBA requirements. Outcomes are disseminated to stakeholders through various online/offline platforms. The outcomes are evaluated according to a structured procedure, which helps identify the gap and develop innovative/creative teaching approaches.

All courses of the program have well-defined course outcomes. The course outcomes (CO) are formulated during the syllabi design. A team of faculty members handling the course formulate the COs and the same is deliberated and approved by the BoS. These COs are mapped appropriately with the POs.

Dissemination

Dissemination of Outcomes to all the stakeholders of the program is done through the Website, Student orientation programs, Faculty Induction workshops, Parents' meetings, Alumni meetings, Curriculum / Syllabus books, Display boards at different locations and Student lab manual.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Course Outcome Assessment

The course outcome attainments are calculated for each course to evaluate the effectiveness of teaching and learning in the course.

Direct assessment tools include the performance of Continuous Internal Evaluation Tests, Assessing objective type questions, Model Exam, Project Reviews, Semester end Exam, Assignments, Seminar, Practical Semester Examination, Quizzes and Real-time problem-solving.

The indirect assessment is done through the Course End Survey. The data is collected at the end of each semester from the students and is analysed for attainment of course and program outcomes.

Program Outcome Assessment

At the end of the programme, the POs/PSOs attainment is calculated based on Direct Attainment and Indirect Attainment. The PO and PSO attainment are computed using the weighted average of all the COs that are mapped to that PO and PSO. Indirect assessments are based on Exit survey, Employer Survey, Skill level statistics and Placement/Higher Education records. After the computation of POs and PSOs, a thorough analysis of the attainment levels is done by the programme assessment committee of the department. This analysis includes finding the weak areas towards the attainment of POs and PSOs and a detailed plan of action taken to improve the

attainment levels.

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1365

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://www.sonatech.ac.in/coe/annual-report/Annual%20Report.pdf

2.7 - Student Satisfaction Survey

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

<https://www.sonatech.ac.in/IQAC/student-satisfaction-survey-2023.php>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Sona College of Technology has demonstrated a robust commitment to advancing science, engineering, and technology research, evident through the establishment of 36 R&D centers. These centers focus on applied research, product development, and industrial training, having completed numerous funded projects for esteemed organizations like ISRO, NIOT, DRDO, DST, AICTE, UGC, and CPRI.

Notably, Sona Speed, one of the R&D centers, has contributed significantly to ISRO's Chandrayaan-3 and upcoming Gaganyaan missions with its BLDC motors. Recognized as a SIRO by DSIR, New Delhi, Sona fosters joint industrial consultancy and R&D endeavors. The institution supports faculty and students through initiatives like the SEED money scheme, SONA DOCTORAL FELLOWSHIP, and incentivizing publications in SCI and Scopus-indexed journals. Faculty engagement in consultancy services is encouraged, with revenue-sharing arrangements benefiting the institution and individuals. Additionally, Sona actively pursues external research funding and emphasizes patenting, covering associated expenses and offering incentives. In the past five years, the college has generated substantial funding and filed numerous patents, showcasing its commitment to fostering innovation and impactful research.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.sonatech.ac.in/research/research-policy.php
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

27.74

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

4

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

336.80

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

15

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

62

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Sona College of Technology hosts a dynamic Entrepreneurship Development Cell (EDC) supported by AICTE, aimed at fostering entrepreneurial skills among aspiring professionals. Recognized by the Entrepreneurship Development and Innovation Institute (EDII-TN) as a hub for the Innovative Entrepreneurship Development Programme (IEDP), Sona connects with 62 spoke institutions in the

Salem region. The Sona Business Incubation Centre, accredited by MSME, offers comprehensive support to incubate innovative startups, from ideation to scaling. Additionally, the Institution Innovation Council (Sona IIC) by MHRD promotes a culture of innovation on campus, while initiatives like "Power On Me" inspire student innovators through idea-pitching workshops. The Sona Incubation Foundation (SIF) collaborates with IIT Madras Incubation Cell, incubating startups and establishing a special FAB lab. Sona's partnership with IITM-Research Park led to the establishment of the Build Club, encouraging student entrepreneurship. Furthermore, dedicated cells for Women's Entrepreneurship Development and Rural Entrepreneurship Development focus on empowering women and fostering entrepreneurship in rural communities, respectively. These initiatives collectively create a vibrant ecosystem nurturing entrepreneurial spirit and innovation at Sona College.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/sona-facility/entrepreneurship-development.php

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

130

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through

A. All of the above

authenticated software	
File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded
3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year	
3.4.2.1 - Number of PhD students registered during the year	
60	
File Description	Documents
URL to the research page on HEI website	https://www.sonatech.ac.in/research/list-of-supervisor-phd-scholars.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File
3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year	
489	
File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded
3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year	
175	

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/SSR/Criteria_03/3_4_4/Book_chapters/3.4.4_22-23_Book_Chapters.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1191

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

30

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

55.65

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Sona College of Technology actively engages in various social responsibility initiatives through its National Service Scheme (NSS), National Cadet Corps (NCC), Women Empowerment Committee, Sona Youth Red Cross (YRC), and Centre for Social Responsibility Initiatives (CSRI). During the pandemic, the NSS unit organized three COVID-19 vaccination camps in collaboration with the Government of Tamil Nadu, besides supporting state government initiatives like the Tamil Nadu state assembly elections and the Freedom Run program. NCC training under Lt. Dr. R. Shakthivel and Lt. K. Anithaa includes drills, blood donation drives, and social awareness rallies. The Women Empowerment Committee, established in

1997, conducts seminars and guest lectures to enhance female students' talents and safety measures. Sona YRC, inaugurated in 2003, carries out voluntary community outreach activities with 120 student volunteers, earning recognition for their services. Furthermore, the Centre for Social Responsibility Initiatives (CSRI), established in 2009, focuses on vocational education and community development, having trained 256 youth from the local community in 2020-21 alone. These initiatives reflect Sona's commitment to holistic societal development and community welfare.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.sonatech.ac.in/sona-facility

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

27

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

93

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

4819

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

927

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

37

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

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 equipments, etc.

Sona College of Technology is located in Salem and is spread over 139294 sq.mof land, utilized for academic activities such as classrooms, laboratories, a library, and a hostel. There are 110 classrooms and 10 seminar/conference halls with all classrooms and seminar halls equipped with projector and Wi-Fi/LAN facilities. In addition, 3 auditoriums such as Valliappa Auditorium, PG

Auditorium and Open Auditorium are available to conduct various extra-cultural activities for students. There are 62 laboratories and 16 research centres diversified in various departments to be utilized by UG, PG, PhD students and faculties. There are 2075 computers of which 1628 are exclusively used by the students, covering a 3:1 student-computer ratio for the academic year 2022-23 with 1 Gbps internet bandwidth that are functional. Bharath Airtel and Jio mutually shared the internet bandwidth of 1 Gbps with 500 Mbps connectivity each. The institution has 15 departments with 110 classrooms that outfit the needs of undergraduate and postgraduate programs. The classrooms are provided with well-equipped LCD projector and Wi-Fi/LAN facilities of which 70 classrooms are equipped with video recording facilities. The institution is also equipped with a total of 10 conference and seminar halls for conducting technical and non-technical events and 3 auditoriums for conducting cultural activities. The institution is provided with 62 laboratories and 16 research centres to meet the needs of the curriculum for both UG and PG students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/AQAR2223/C4/4.1.1//4.1.1.pdf?cat1=naac&cat2=AQAR2223&cat3=C4

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

SONA College of Technology provides a comprehensive environment to keep students both physically and mentally fit with various facilities such as a gymnasium, playgrounds, auditorium, swimming pool, recreation centres, indoor sports facilities etc. The outdoor sports facilities include a football court, basketball court, handball court, hockey field, volleyball court, tennis court, ball badminton court, cricket field, cricket nets, gymnasium and athletic track etc. and indoor sports facilities include a badminton court, billiards club, table tennis, carrom, chess and indoor air-conditioned gym etc. A well-established air-conditioned gym with bench presses, cable flies, leg press machines, dumbbells, squat bars, rowing bars, cycling etc. with educated trainers were provided to support the physical and mental well-being of the students. In addition to academics, SONA supports

additional talents through various clubs such as the SONARIA music club, science club, SONA Readers Club etc. and students' chapters such as ISTE, IEI, IGBC etc. The Valliappa Auditorium is a well-built auditorium with with latest acoustics system to improve the quality of education through workshops, seminars, symposiums and extra-curriculars through cultural fest etc. The closed auditorium is air-conditioned with an LCD projector and good acoustic facilities. The open auditorium was established with the intent to conduct small cultural, rehearsals, etc.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/AOAR2223/C4/4.1.1//4.1.2.pdf?cat1=naac&cat2=AOAR2223&cat3=C4

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

110

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

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

584.15

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The Library at Sona College of Technology was automated in the year 2005 using AutoLib, the software. It was updated in the year 2017. The software is user-friendly, as it is tailored according to the demands of the library day to day use. The library has an excellent collection of books, journals and non-book material for departments like science, engineering, technology, humanities, social sciences and management. It also contains a separate collection of reference Books, bound volumes of journals, technical reports, theses, video cassettes, compact discs and microforms. The library is equipped with Autolib OPAC (Online Public Access Catalogue), where the users can search the library online catalogue by entering the author's name, title, subject, and keywords that are available on the campus LAN. The library has 33663 book titles, 85451 book volumes, 178 book bank Books, 148 proceedings and 801 standards, covering a total of 34495 titles and 86578 volumes. The institution also supports e-resources, covering 3675 NPTEL video lectures, 1568 e-journals covering IEEE ASP, Science Direct, EBSCO, SAGE, Taylor & Francis and 11498 e-books covering Elsevier and EBSCO. The institution has also subscribed to plagiarism software like TURNITIN, and Grammarly with 15 log-in credentials and nearly 30000 access to the Prowess IQ CMIE database. The library also has institutional membership of Shodhsindhu, enabling researchers to access the theses.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/AQAR2223/C4/4.1.1/4.2.1.pdf?cat1=AQAR2223&cat2=C4&cat3=

4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

40.64

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

114414

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Sona College of Technology has a well-defined IT policy and state-of-the-art IT infrastructure with high-speed internet connections. The IT policy comprises networking, maintenance of hardware and peripherals, expansion of the network, updation of existing IT infrastructure etc. Also, the policy focuses on guidelines for hardware installation, software installation and licensing, network and usage of email accounts etc. The faculties are provided with individual systems and a separate login to access a

high-speed internet facility and their laptops are also given access to a Wi-Fi facility. The ratio of computers and students is 1:3. Also, SONA MIS (Management Information System) was built to store the data of the stakeholders. In the academic year 2022-23, Sona College of Technology has 100 computers, 2 servers, 4 laptops, 2 LCD projectors, 30 Wi-Fi access points, 9 switches, 2 UPS units and 3 printers. The IT policy comprises all IT infrastructure, network and security in the institution. This was framed in 2015 and updated in 2023. The details are given below:

- a. Inclusion of MIS complaint system
- b. Upgradation of network speed from 205 Mbps to 1 Gbps
- c. Increase in the Wi-Fi access points from 59 No's to 119 No's
- d. Establishment of DHP server, router and core switch
- e. Upgradation of network switch from unmanageable to semi-manageable

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/AQAR2223/C4/4.1.1//4.3.1.pdf?cat1=naac&cat2=AQAR2223&cat3=C4

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5138	1628

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/AQAR2223/C4/4.1.1//4.3.4.pdf?cat1=naac&cat2=AQAR2223&cat3=C4
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1732.34

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

Sona College of Technology has well-established systems and procedures for maintaining and utilizing physical and academic support facilities. The infrastructure for each department and administration is taken care of by a team of faculty members who are nominated as infrastructure Coordinators by the Principal. All civil maintenance, plumbing works etc. are registered by

respective faculty through an online portal (MIS). The computer maintenance department (CMD) has a qualified and trained technical support staff for any minor repair work in the computer by the staff and the works are registered and the same is solved by servers, operating, antivirus and firewall services. Powerhouse facilities are available to manage the power supply for the department and administrative blocks. Adequate generator facilities are available besides UPS support to the academic infrastructures. The library is automated by the AUTOLIB 2017 software. They are well maintained in racks as per the standard protocols governing the library management system. Every year books are properly scrutinised and a stock verification by faculty in a circular manner. The sports complex is maintained by a physical director and physical directress with a supporting team of instructors. The Medical Centre is also functioning in the sports complex with proper maintenance. Well-equipped fitness centre and swimming pool are properly operating with a pool filtration re-circulation system. The objective of the institution is to provide eminence in learning by providing adequate facilities and ensuring the cleanliness of the institution through proper, periodic and effective maintenance of all facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/AQAR2223/C4/4.1.1/4.4.2.pdf?cat1=AQAR2223&cat2=C4&cat3=

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2197

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

2162

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://www.sonatech.ac.in
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

7002

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of

A. All of the above

statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

1157

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

5.2.2 - Number of outgoing students progressing to higher education

23

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

43

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

85

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Student Council at Sona College of Technology serves as the representative body for the student community, fostering the overall well-being of students. This report provides an overview of the diverse activities and initiatives undertaken by the student council to enhance the learning experience at the institution. It is structured to include representatives from various branches of engineering, ensuring a diverse and inclusive representation. Elected through a democratic process, the council comprises enthusiastic and dedicated individuals who act as the voice of the student body.

The primary responsibility of the student council is to articulate the concerns and aspirations of students. This involves addressing matters related to academic policies, infrastructure, and facilities. The council functions as an effective communication channel, ensuring that the perspectives of students are not only heard but also factored into decision-making processes.

The Students Council members is actively participating in various committees such as

- Board of Studies (BOS) Meeting
- Internal Quality Assurance Cell (IQAC)
- Class Committee Meeting
- Hostel Committee
- Peer Tutor
- Sports Committee
- Anti-Ragging Committee
- Internal Complaints Committee
- Grievance & Redressal Committee

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

49

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Sona Alumni Association stands as a testament to the enduring

legacy of our alma mater, contributing significantly to the growth and development of our beloved institution. The Alumni association officially registered under section 10 of Tamil Nadu Act 27 of 1975, with registration number 66/2018, Book Number 4. Our association boasts a vibrant community of over 22,561 members.

Periodic alumni meet serves as a nexus for networking, fortifying social bonds, and sharing expertise with current students. Beyond reunions, our alumni actively contribute to the academic landscape, serving as resource persons for guest lectures and Placement training sessions, ensuring the continuous enhancement of educational quality based on valuable alumni feedback.

Financial contributions totalling Rs. 16.05 Lacs over the academic year 2022-23 underscore our alumni's commitment to the institution's development.

In addition to financial contributions, our alumni have actively participated in various capacities:

1. As resource persons in guest lectures and seminar.
2. Serving as advisory board members
3. BoS members in various departments

The Sona Alumni Association, through its dedicated members, continues to be a driving force in shaping the future of Sona College of Technology.

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

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

In Sona, both statutory and non-statutory committees play crucial roles in ensuring effective governance and the overall development of the institution. Statutory committees are imperative as they operate within the legal framework, ensuring compliance with regulatory bodies and the government mandates related to accreditation, curriculum, and academic standards. These committees, such as the Governing Body (GB), and the Academic Council are essential for maintaining the institution's integrity, credibility, and recognition.

The GB is the apex body of Sona College, and significant institutional decisions are taken at its bi-annual meetings. Perspective plans of the college for the years ahead are discussed at the GB meetings, achievements at the college and department levels are reviewed and discussed, and decisions are taken on developing a broad roadmap for the institution to pursue.

The members of the management, nominees of the governmental bodies, and industry experts offer advice for the overall development of the college. They also review and approve decisions taken at meetings of other major college committees.

The GB functions on the basis of a set of terms of reference which lays out briefly its overall purpose, constitution, roles and responsibilities of the members, duration of their membership, quorum, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.sonatech.ac.in/about-sona/

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The Principal, Deans, and the Heads of the Department (HOD) concerned make decisions in all academic matters. The HODs conduct periodic meetings with the faculty and students and offer them suggestions. They also discuss important matters regarding the functioning of the college with the Principal, Deans, and Chairman of the Board of Management and make decisions through consensus.

Most rules and regulations are circulated among staff members, and the decision is taken only after a thorough discussion with the stakeholders. The final decisions taken are circulated among all stakeholders for adoption. The discussions normally emanate from the faculty members, at the faculty meetings with the HODs, and then in the HOD's meeting with the Principal. Most of the informations, like organizing conferences, permitting a faculty to travel overseas to present a paper, etc., goes from bottom to top for approval by the Management. If there is a common rule governing all concerned, it comes from top to bottom after initiating a talk with the faculty members or HODs, as the case may be.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Perspective Plan / Strategic Plan:

Sona College of Technology has strategic planning with ten thrust areas. The overall coordinator is the process champion who drives the development and monitoring. Each thrust area is entrusted with a thrust area manager to implement the objectives and monitor the progress of achievements of the success indicators. The strategic planning document is framed based on the brainstorming workshop where the faculty members, Heads, Deans, and Principal were part of it. Strategic planning is done in every department, which aligns with the college's strategic planning.

1. Academic Excellence (Includes Human Resource Management, Library)
2. Student Admissions
3. Physical Infrastructure Development and Maintenance
4. Industry Partnerships (Includes Training and Placement, Testing and Consultancy, Alumni Relations)
5. Staff Development

6. Research & Development
7. Student Development (Includes Entrepreneurship Development)
8. Outreach Activities (Includes Continuing Education)
9. International Collaboration
10. Quality Assurance and Enhancement

The SPG identified indicators of success for each of the objectives along with the development of the action plans. The indicators acted as targets for successful achievement of the action plans (objectives).

Lastly, structures and procedures for monitoring the implementation of the strategic plan and those for ensuring sustainability of the strategic planning and implementation processes were evolved.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.sonatech.ac.in/naac/SSR/Criteria_06/Claim%20pages/6.2.1%20Subcliam-Strategic%20plan.pdf?cat1=SSR&cat2=Criteria_06&cat3=
Upload any additional information	No File Uploaded

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

Functioning of Institutional Bodies:

Statutory and Non-statutory Committees: In Sona, both statutory and non-statutory committees play crucial roles in ensuring effective governance and the overall development of the institution. Statutory committees are imperative as they operate within the legal framework, ensuring compliance with regulatory bodies and government mandates related to accreditation, curriculum, and academic standards. These committees, such as the Governing Body (GB), and the Academic Council are essential for maintaining the institution's integrity, credibility, and recognition.

On the other hand, non-statutory committees provide the flexibility needed to address various dynamic challenges and opportunities in engineering education. These committees, such as

the Management Review Committee (Sona- QMS), Grievance Redressal Committee, and Internal Complaints Committee, offer recommendations for curriculum updates, infrastructure improvements, and strategies for fostering an environment conducive to holistic student development.

Administrative Setup:

The administration of the Institution consists of the Chairman, Vice Chairmen, Principal, Deans, and the Heads of the Department (HOD) concerned, who take decisions in all academic matters. The Principal serves as the overseer of academic affairs and administrative operations within the institution. Responsible for liaising with the management, the Principal proposes strategies to secure essential resources for realizing the institution's objectives, vision, and mission.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.sonatech.ac.in/naac/SSR/Criteria_06/6.2.1_Strategic%20plan//Organization%20Chart_final.pdf?cat1=naac&cat2=SSR&cat3=Criteria_06
Upload any additional information	View File
Paste link for additional Information	https://www.sonatech.ac.in/naac/SSR/Criteria_06/Claim%20pages//6.2.1.%20Subclaim2%20Committees.pdf?cat1=naac&cat2=SSR&cat3=Criteria_06

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Welfare Measures:

Employee welfare is a fundamental aspect of our institution's ethos. We are committed to ensuring the well-being of our employees beyond their professional roles. We prioritize their physical and mental health, offering comprehensive healthcare plans, wellness programs and counseling services.

Teaching:

- Contribution to provident fund Contribution towards medical insurance
- Maternity leave
- Medical leave
- Advance to meet emergency expenditure
- Medical center
- Gratuity
- Personal accident insurance
- Registration fee, TA, and DA for attending conferences and workshops, etc.,

Non-Teaching:

- Uniforms for support staff
- Financial aid for the education of the ward of support staff
- Festival Bonus Contribution to ESI
- Fee concessions for children of administrative and support staff
- Medical center facility
- Gratuity Personal accident insurance
- Salary advance.

- Registration fee, TA, and DA for attending programs.

Avenues for career development/progression:

Sona College of Technology Provides ample support and opportunities to their staff members for their career development. Our Institution is one of the approved research centres by Anna University to carry out research activities. All the teaching faculties are motivated to do their Ph.D either full time or part time category and Post doctoral fellowship programmes.

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

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

248

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

29

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation /

Induction Programmes, Refresher Courses, Short-Term Course, etc.)

245

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal /Concurrent Audits

We have a separate Internal Audit Department with four staff members headed by a Semi qualified Professional and they are undertaking to verify the day to day Fund Flow of the institution and Physical verification of fixed assets and other facilities of the institution. They act as a bridge between the Accounts Department and Statutory Auditors.

The expenditure for staff salary is being audited every month. The expenditure incurred towards infrastructure maintenance and purchase of new equipment's, consumable items is being audited then and there. The expenditure incurred towards organizing the programs in the institute and the amounts spent towards staff development programs attended by the staffs outside of the institution are being audited.

External/Statutory Audits

In our Institution external audit is being carried out by M/s.G.Goudhaman & Co Chartered accountant, Salem. Chartered accountant with their team audit staff during the period from June to September every year. The external team audits the objects as referred by the internal audit. All the flow of funds of the institution is being audited by the external team and the audited statement is submitted to the management.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

47.5

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The primary objective of the funds mobilization strategy is to ensure a steady flow of adequate funds for both maintaining and developing the institution, facilitating its growth and expansion. The budget formulation of the institution revolves around aspects such as teaching, research, and rural upliftment. The budget is supported by the most reliable estimates of funding derived from its primary revenue sources. Emphasis is placed on sustainability in the budget and expenditure planning. The allocation of funds is adjusted annually based on their optimal utilization to achieve the highest level of growth. To ensure responsible resource management, the institution conducts academic, research, administrative, and financial audits.

The revenue sources include tuition fees, interest on the corpus fund, philanthropic support from industries and alumni, consultancy, non-government funds, and research grants. Additionally, service revenues come from housing and dining, as well as infrastructure rent for facilities such as the auditorium, swimming pool, and sports facilities utilized by nearby communities and government organizations. Central and State Government Competitive examinations like TNPSC, TANCET, GATE and NEET Examinations on rental basis. As far as the utilization of resource concerned, the institution has instituted various

measures including internal control and internal audits.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

As the institution is autonomous, the curriculum has two or three open electives where the students of one discipline can take courses of other disciplines. This is similar to earning minor specialization.

Open Elective (OE) includes the courses offered by one branch to the other branches. There will be a pool of open elective courses offered by different departments for the students to choose from. The number of open electives in a curriculum shall be between two and four, which can be offered during semesters 4 to 7. A minimum of two open electives shall be studied by a student during his/her period of study.

We introduced open book examinations in the Continuous Internal Evaluation (CIE) examinations to improve the critical thinking, problem-solving, and analytical skills of the students. It also promotes a deeper understanding of the subject matter, as students must navigate through the provided resources to locate and apply pertinent information. It is a unique approach to test the students, that allows students to access and use reference materials during the assessment. Unlike traditional closed-book exams, open book assessments evaluate a student's ability to synthesize and apply information rather than memorize it.

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Continuous Internal Evaluation (CIE) Review Meeting:The Internal Quality Assurance Cell (IQAC) cell initiated the review of the Continuous Internal Evaluation(CIE) test performance meeting after the completion of every test cycle. A separate schedule was prepared by the Controller of Examinations (COE) in discussion with IQAC and it is circulated to all the departments. Various departments will consolidate the report on student's performance in the tests and the class counsellors will present the report. The principal, COE and Dean Academics will give suggestions for students improvement.

It provides timely feedback, identifies areas of improvement and encourages students to improve their academic performances.

CIE places a strong emphasis on formative assessments that occur throughout the learning process. These assessments aim to monitor student progress, identify learning gaps and guide instructional decisions.

ISO Audit and Academic Audit:The primary objective of IQAC is to monitor, maintain and improve the quality of the institution consistently as per the standard ISO 9001:2015 standards through SONA QMS cell. Various quality enhancement initiatives and activities are carried out through SONA QMS.

Two internal quality audits are conducted each academic year. For internal audit the trained teachers will act as auditors.

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

6.5.3 - Quality assurance initiatives of the

A. Any 4 or all of the above

institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.sonatech.ac.in/naac/AQAR2223/C6/Proof//GB-22-23.pdf?cat1=naac&cat2=AQAR2223&cat3=C6
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

HEI has made significant strides in advancing gender equity through its Gender Audit and proactive measures over the past five years. Championing equality and inclusivity, the institution has taken a multifaceted approach encompassing policy reforms, educational initiatives, and a cultural shift within its academic landscape. The Gender Audit served as a compass for identifying areas needing improvement and formulating strategies for fostering gender parity. Policies were revisited to ensure they were gender-sensitive and inclusive, with amendments made to recruitment policies to emphasize equal opportunities and diversity. Educational campaigns and workshops were conducted to sensitize students and staff about gender-related issues, fostering empathy and respect for diverse perspectives. Scholarship programs and mentorship initiatives were introduced to bridge the gender gap in academia and technical fields, providing financial support and networking opportunities for female students. Support systems and resource centers were established to provide counseling and

guidance to individuals facing gender-based challenges. These efforts have led to an increase in the enrollment of female students and more women assuming leadership roles within the institution. HEI continues to evolve and innovate, creating a more inclusive academic ecosystem where individuals thrive based on their abilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.sonatech.ac.in/naac/SSR/Criteria_07/7.1.1.Gender_Equity/7.1.1_Main_claim.pdf?cat1=SSR&cat2=&cat3=7.1.1_Main_claim.pdf

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

A. Any 4 or All of the above

File Description	Documents
Geotagged 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 a maximum of 200 words)

Sona College of Technology effectively manages both degradable and non-degradable waste generated on its campus of 6700 people, including students and staff. Organic waste is processed in composting units monitored by hostel workers to produce compost used as a soil conditioner. A biogas plant converts organic waste into biogas, reducing reliance on LPG cylinders in the hostel kitchen. Waste segregation is practiced for various categories, encouraging disposal of organic and inorganic waste separately. The Department of Civil Engineering uses industrial waste and fly ash to produce concrete products, following the waste-to-wealth concept. Liquid waste is treated in Sewage Treatment Plants, with treated water used for gardening and vehicle washes. Biomedical waste is disposed of safely, and electronic products are managed through maintenance and toner reuse. The college promotes

recycling through educational activities, fostering awareness and involvement among students and faculty, aiming for a waste reduction and resource conservation attitude.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

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

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
---	--

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

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,</p>	<p>A. Any 4 or all of the above</p>
---	--

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	View File

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

Sona College boasts a diverse community, with students and faculty coming from various states, union territories, and countries like Nepal and Sri Lanka. This diverse mix of cultural, linguistic, and regional backgrounds is central to Sona's commitment to promoting inclusion, tolerance, and harmony across different aspects of diversity, including cultural, regional, linguistic, communal, and socio-economic differences.

Upon entering Sona's campus, students immerse themselves in an environment that celebrates diversity. Language clubs and other student organizations further enrich this experience by providing a platform for sharing and experiencing the traditions and customs of different states and nations. These clubs educate students about the diverse cultures found in various regions and countries.

Sona's academic calendar is filled with vibrant festivals, where students and faculty participate together. From the colorful Holi to the festive Diwali, these celebrations showcase the traditional splendor of different cultures, fostering understanding and appreciation among individuals from different backgrounds.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
<p>7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:</p> <p>Sona College emphasizes the importance of familiarizing its students and staff with their constitutional duties, including respecting values, understanding rights, fulfilling responsibilities, and embracing obligations as Indian citizens. The institution is dedicated to instilling values that align with those enshrined in the Indian Constitution, such as integrity, equality, justice, and respect for diversity. To promote these values as foundational elements of a just and inclusive society, Sona College organizes various activities like workshops, seminars, and discussions.</p> <p>The college proactively educates its community about their constitutional rights through workshops, lectures, and awareness campaigns. This knowledge empowers individuals to exercise their rights responsibly and advocate for justice. Sona College also encourages active civic engagement and educates its members about their obligations to society, promoting a sense of duty and responsibility.</p> <p>Incorporating constitutional values into its curriculum across disciplines, Sona College ensures that students understand the essence of democracy, equality, and justice. From engineering to humanities, modules include discussions on citizenship rights, responsibilities, and the importance of upholding constitutional values in professional and personal life.</p>	
File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File
7.1.10 - The institution has a prescribed code of conduct for students, teachers,	A. All of the above

administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

Sona College of Technology provides outstanding support towards celebrating national and international commemorative days, events and festivals.

National events such as Republic Day and Independence Day aid to increase the unity among the students, promote the feelings of pride of our own country, which helps to raise the patriotic spirit among young minds. International Women's Day, World Water Day and so on..

Further, regional festival like Pongal, Holi festival also celebrated. These clubs and cells join together and celebrate various events; for example, National-level events such as Independence Day, Republic Day, Gandhi Jayanthi, Teacher's Day, Engineers Day, NSS Day and NCC Day.

12 cells and clubs are active in Sona College Technology for the benefit of students' community. During the celebration of national and international events, various knowledge sharing, talent showcasing events, and games are organized by the students for the

students, due to which student community can learn management and communication skills.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Title: SONACARE

1.Objectives of the practice

The Sona Students' Speakers' Forum (SSSF) promotes effective speaking with ABC

Principles: Accuracy, Brevity, and Clarity.

Peer tutoring is a strategy where students practice teaching skills for individualized attention in diverse classrooms.

2.The Context

Peer tutors enhance classroom support by delivering content on specific topics.NPTEL provides courses in Engineering and Science and Humanities disciplines, including all departments.Entrepreneurship Development programs cover all aspects with real-time examples.

3.The Practice

Each branch of EDC designates faculty coordinator to impart knowledge about entrepreneurship to students. The student committee, comprising a CEO, Vice President, and Secretary from

each department, guide students who aspire to become entrepreneurs. NPTEL's practice is widely praised by students, educators, and industry professionals.

4.Evidence of Success

Sona College of Technology has achieved the First Position in NPTEL's Faculty Performance rating among 6000 NPTEL Local Chapters nationwide during July-Dec 2023 examinations. This marks the college's fifth consecutive First Position in faculty performance rating.

5.Problem Encountered and Resources Required

Initially, many students hesitated to participate in EDC activities. However, after its success, students voluntarily join and actively engage in the activities organised by Entrepreneurship Development Cell.

File Description	Documents
Best practices in the Institutional website	https://www.sonatech.ac.in/naac/SSR/Criteria_07/7.2_Best_Practice/7.2_Best_Practice_1.pdf?cat1=SSR&cat2=Criteria_07&cat3=
Any other relevant information	https://www.sonatech.ac.in/naac/SSR/Criteria_07/7.2_Best_Practice//BestPractice2CSRI.pdf?cat1=naac&cat2=SSR&cat3=Criteria_07

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

INDUSTRY INSTITUTE INTERACTION Introduction

Sona College of Technology fosters a vibrant industry-academia linkage, bridging the gap between theory and practice. Through strategic collaborations with industry leaders, the institute provides students with hands-on experiences and cutting-edge insights, ensuring that they are well-equipped for dynamic and real-world challenges.

Vision

To strengthen the partnership between industry and academia, to create a collaboration that boosts innovation, enhances education, and drives economic growth.

Mission

To establish robust partnerships with industry leaders, fostering collaboration in research, education, and technology. It able to support entrepreneurship, by fostering innovation and job creation through resources and mentorship.

Efforts between industry and academic linkage The Institution encourages joint research projects, by providing hands-on industrial experiences through internships, curriculum updation with industries trends, and establishment of platforms for seamless knowledge exchange, to fostering innovation between academia and industry.

Policy of industry and Academia Linkage

Establishes a collaborative framework with clear goals, expectations, and sustained partnerships. Define transparent intellectual property guidelines for collaborative projects

File Description	Documents
Appropriate link in the institutional website	https://www.sonatech.ac.in/research/industry-academia-collaboration.php
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

NIRF - To improve in NIRF ranking Research & Development - Plan to establish an Advanced Centre of excellence Smart India Hackathon (SIH) - Plan to participate and win in the Smart India Hackathon competition

Placement - The college had consistently achieved high domestic orders in top companies with high CTC. It was decided to achieve success progress in international placements. Plan to offer the Japanese language to external candidates.