YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	SARANATHAN COLLEGE OF ENGINEERING
• Name of the Head of the institution	DR D VALAVAN
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04312473684
• Mobile no	8489915204
• Registered e-mail	principal@saranathan.ac.in
• Alternate e-mail	secretary@saranathan.ac.in
• Address	Venkateshwara Nagar,Panjappur, E-Pudur Post
• City/Town	Tiruchirappalli
• State/UT	Tamilnadu
• Pin Code	620012
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**	
• Name of the Affiliating University	**Anna University**	
• Name of the IQAC Coordinator	**DR C KRISHNAKUMAR**	
• Phone No.	**9500978151**	
• Alternate phone No.	**8489915208**	
• Mobile	**9500978151**	
• IQAC e-mail address	**iqaccoordinator@saranathan.ac.in**	
• Alternate Email address	**krishnakumar-eee@saranathan.ac.in**	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://saranathan.ac.in/IQAC/SCE_AQAR_YEARLY_REPORT_2021-2022.pdf	
4.Whether Academic Calendar prepared during the year?	**Yes**	
• if yes, whether it is uploaded in the Institutional website Web link:	www.saranathan.ac.https://saranathan.ac.in/IQAC/AQAR2023/C1_1_1a.pdf	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A+**	**3.27**	**2021**	**19/04/2021**	**18/04/2026**

6.Date of Establishment of IQAC	**03/10/2019**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	**Nil**	**Nil**	**Nil**	**Nil**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of IQAC	[View File]()	

9.No. of IQAC meetings held during the year	4	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		

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

To ensure the overall quality and efficiency of academic and administrative processes, audits were conducted successfully and follow-up actions have been implemented based on the audit findings.

As an initiative to equip students with valuable technical skills that are increasingly in demand in the job market the inclusion of coding training along with the existing verbal and aptitude training provided by the Training and Placement (T&P) Department, was suggested.

Facilitated the integration of our existing G-suite with online tools to enable meetings, including conferences with more than 100 participants. Additionally, suggestion was made to augment classrooms with ICT tools to foster a more conducive learning atmosphere.

Faculty members who joined the institution during the academic year were provided awareness on OBE and CO-PO Mapping and attainment through awareness programme.

Focused on enhancing teaching and learning quality by conducting regular internal academic audits and recommending improvement strategies.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

20-01-2025 12:58:51

Plan of Action	Achievements/Outcomes
To obtain research centre recognition for Chemistry department and CSE department.	The Chemistry department of our institution has been recognized as a research center by Anna University. The application process to achieve recognized research center status by Anna University for CSE department is currently in progress.
To encourage faculty members and students to file patents through IPR cell of our institution.	Awareness programmes were conducted by IPR cell to motivate the faculty members and students to file patents.
To enhance classrooms with modern ICT infrastructure and amenities.	More class rooms are equipped with LCD projectors.
To equip the students with the knowledge of cutting edge technologies and to improve the employability, value-addition courses will be offered across all undergraduate and postgraduate programs.	Various value addition courses were organized for the students for career development in association with M/s. Inlustro technologies.
To enhance infrastructure by constructing additional buildings to accommodate newly approved courses.	New buildings were constructed to accommodate newly affiliated courses.

13.Whether the AQAR was placed before statutory body?	**No**

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	10/02/2023

15.Multidisciplinary / interdisciplinary

Saranathan College of Engineering is affiliated to Anna University. Anna University Regulation 2021 offers the students to study open elective courses from other discipline, preparing them for the multidisciplinary environment. The Regulation 2021 also offers B.E./B.Tech. Minor with specialisation in another discipline by additionally earning 18 credits in any one of the verticals offered from Engineering Disciplines / Science and Humanities / Management which equips the students to work in multidisciplinary projects. These educational opportunities have broadened the students' horizons and inspired them to pursue their passions. Anna University Regulation 2021 additionally provides elective courses from a specified group of Professional Electives (vertical) to imbue the diverse skill sets on the latest developments in the core. This educational opportunity strengthens their domain knowledge, expands their interdisciplinary skill sets on the most recent developments in the core, and gets them ready for the workforce.

16.Academic bank of credits (ABC):

17.Skill development:

During the 2022-2023 academic year, students were offered diverse Skill Development programs aimed at enhancing the quality and placement opportunities. A MoU was established with M/s. Innate Talent to provide students with a 12-day training session from 20-07-2022 to 02-08-2022, focusing on Aptitude and soft skills development. This comprehensive training encompassed Quantitative Aptitude, Vedic Mathematics, Reasoning Aptitude, Verbal Aptitude, Employability, and Life skills. Another MoU was also signed with M/s. Innate Talent to enhance the coding skills of the student. This partnership offered a coding training program from 20-07-2022 to 02-08-2022, concentrating on Technical Coding skills, particularly in C, Data Structure, and Algorithms. To maintain quality, the batch size was limited to 40, proving highly effective in facilitating placements. Additionally, over 500 computers were provided during training sessions, enabling students to practice and test their coding proficiency for a comprehensive learning experience. Post-completion of both Aptitude and Coding training, students were exposed to company-specific tests and practice materials, allowing them to assess their skills and identify areas for improvement. In

addition to these training initiatives, Moodle programming contest, coding contest and other technical contests and seminars were conducted to motivate the students and enhance their technical skills. The effectiveness of these skill development programs was reflected in placement results. For the 2023 batch, 352 offers were secured, with many students receiving multiple offers.

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

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

Six eligible courses of the institution are accredited by National Board of Accreditation. The Outcome Based Education (OBE)) is now underway in the teaching and learning process. The institution has established its own vision and mission. Program outcomes (POs) and Program Educational Objectives (PEOs) are linked to the course outcomes (COs) which are framed by the subject experts. At the end of the semester, the course outcome (CO) attainment is computed for each course. The Revised Bloom's Taxonomy provides the basis for the assessment procedure.

20.Distance education/online education:

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	651

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	2518

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**604**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**671**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**163**

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**163**

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	**64**

4.2 Total expenditure excluding salary during the year (INR in lakhs)	**1153.36**

4.3 Total number of computers on campus for academic purposes	**875**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

- **The college being affiliated to Anna University, Chennai, strictly adheres to the curriculum, regulations and follows the syllabus of each course in each Programme, semester academic planner are framed by the Institution.**
- **The allocation of each course to the faculty members is based on their willingness and finalized by HoD on the basis of faculty's technical skill, competency level, experience, students' feedback and academic performance.**
- **At the beginning of every Semester, Course Committee Meeting is organized, and the Course handlers plan their lesson plan/lecture & practical schedule with Course Outcomes, Assignments, content beyond syllabus.**
- **Bridge course is planned for the first year students to educate them about the environment and culture of the institution.**
- **Course delivery is carried out online and offline as per the lesson plan/lecture schedule and it is recorded in the course log book.**
- **The Academic performance of the Students is measured and monitored through Online Centralized Internal Assessment Tests and Class Committee Meetings are conducted to encourage the students to improve their academic performance and other skills.**
- **Course Outcome Survey, Students' feedback is obtained from all the students for all the courses at the end of the semester.**

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://saranathan.ac.in/IQAC/AQAR2023/C1_1_1.pdf

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

- **Academic planner is prepared by a team of senior Faculty members in consultation with Principal, Dean (S&H), Dean (R&D)**

and HoDs.

- Followed by, the department academic planner is framed by incorporating co-curricular activities, faculty meeting with HOD, Mentor-Mentee Meeting, Class Committee Meeting, Internal Assessment Test series and Question paper, review of course file, course log book submission dates.
- The College has an Exam Cell and it holds the responsibility for all exam related activities.
- Schedule for IAT tests is announced and displayed in advance by Principal.
- The question papers are set to test various cognitive levels of the student as per Bloom's Taxonomy.
- A detailed scheme of evaluation is prepared for every course prior to start of evaluation of the answer scripts.
- The answer scripts are issued to the students to verify the scheme of evaluation with the marks awarded by the course handlers.
- Complete transparency is ensured while returning the answer books to the students; the marks are entered in the institution web portal to display the performance of students.
- The continuous evaluation process provides more opportunities to get feedback of the progress of the students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://saranathan.ac.in/IQAC/AQAR2023/C1_1_2.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	B. Any 3 of the above

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

1.2 - Academic Flexibility

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

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

15

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

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

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

92

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

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

1746

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

1.3 - Curriculum Enrichment

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

- **Equal opportunities are given to both the genders in terms of admissions, employment, co-curricular and extra-curricular activities etc**
- **The Institute has constituted various committees including Sexual Harassment Redressal committee, Women Empowerment Cell, Women Redressal Cell and grievance Redressal committee to promote gender equity and also deal with related issues of safety and security of girl students, ladies staff and faculties.**

- **All programs have a compulsory course on Environmental Science and Engineering in First /Second year curriculum to study basic components of environment and its application to tackle issues such as pollution control, green gases etc.**
- **Students opt as electives from Environment and sustainability, Disaster Management, Air Pollution and Control Engineering, Transport and Environment, Environmental and Social Impact Assessment.**
- **Many Projects are undertaken by students relating to environmental and Sustainability issues like climate change, water pollution, sewage treatment, air pollution, rain water harvesting, runoff modeling, flood prediction, green concrete, materials, energy conservation etc.**
- **In order to integrate the cross cutting issues relevant to human values and professional ethics, Anna University has included different types of courses in the curriculum and creates awareness on business ethics and human values among students.**

File Description	Documents
Any additional information	**No File Uploaded**
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

379

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

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

1145

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students	**A. All of the above**

Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	**Nil**
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	**No File Uploaded**
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://saranathan.ac.in/IQAC/AQAR2023/C1_4_2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

790

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

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

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

738

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

2.2 - Catering to Student Diversity

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

The induction/bridge course program addresses the psychological effects of the shift in teaching styles from high school to college. Topics covered in the bridge courses are listed below.

1. **Foundation courses viz., English, Mathematics, Physics and Chemistry**

2. **Communication skills**

3. **Coding**

4. **Extra-curricular activities (Sports activities and, Yoga)**

Based on the students' performance on the Internal Assessment tests and their CGPA on the university exams are used to determine the students' learning levels viz., slow, average, and advanced levels.

Programs specifically designed for advanced level students are arranged as follows.

- **Mentors providing guidance and motivation for Government competitive exams and taking Part in Hackathons**

- **Program for Soft Skills**

- **Training for Coding / Programming**

- **Exposure through Industrial Visit / Inplant Training / Internships**

- **Motivation for enrollment in NPTEL Courses**

- **Encouragement to take part in Inter Collegiate / Intra college**

Technical symposiums / Conferences / publication in journals

The following are special programs designed to help slow learners reach higher learning levels.

1. special coaching programs.

2. individual counseling by mentors.

3. Study guides are created and distributed to sluggish learners.

File Description	Documents
Paste link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2023/C2_2_1.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
2518	163

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Our institute has implemented a number of strategies to encourage students to actively engage in the teaching-learning process. Here is a list of a few student-centric techniques that had positive outcomes.

Experiential learning

- **guest lectures delivered by professionals from industry and academic institutions.**

- Programs for skill development that are followed by certification, like Labview courses.

- To improve students' self-teaching and learning activities, Google Classroom and Google Forms are utilized for individual and group assignments, depending on the degree of perseverance.

- Workshops on the application of cutting-edge tools like Matlab and LabView

- Competitions for Project Day.

- Seminar presentations.

Participative Learning

- Students are encouraged to take part in the Smart India Hackathon, which involves them in the active development of innovative solutions for real-time systems.

- Peer-to-peer tutoring and knowledge sharing.

- Regularly scheduled student club activities.

- Video lectures uploaded to YouTube serve as evidence of the ongoing, round-the-clock process of learning and dissemination.

- Enrollment on online portals to train them on aptitude and technical stuff.

- Activities under professional associations or student chapters, including CSI, IETE, IEI, IEEE, etc.

Problem Solving Methodologies

- Competitions for programming and app development.

- Participation in hackathons organized by the public and private sectors.

- Presenting case studies.

- **Opportunities for internships.**

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2023/C2_3_1.pdf

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

- **Faculty across all fields are using cutting edge technology and information and communications technology (ICT)-enabled instructional approaches. Students have access to the academic plan, which includes lesson plans, lab manuals, and question banks with answers. Faculty members employ multimedia teaching aids like LCD projectors and internet-enabled computers/laptops in their classrooms to better illustrate concepts.**

- **The integration of ICT tools has a positive impact on students' learning and metacognition.**

- **Applications and digital resources that are accessible online and offer information in multiple multimedia formats are known as informative tools.Communication between teachers and students is facilitated by communicative tools like Google Classrooms, official WhatsApp groups, and group mail IDs. ICTs spark students' attention and motivate them to embrace a fresh approach to learning in-depth information and honing their abilities.**

- **The National Programme on Technology Enhanced Learning (NPTEL) offers online course materials and other electronic resources that are accessible through the Digital Library.**

- **The teaching members use NPTEL tools to improve the learning experience by skillfully demonstrating topics to the students using audiovisual aids on a regular basis.**

- **Faculty and students can access an NPTEL web server and offline video courses via the server installed in the library.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

124

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

2.4 - Teacher Profile and Quality

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

163

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	**No File Uploaded**
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

68

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

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

2.4.3.1 - Total experience of full-time teachers

1498

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

2.5 - Evaluation Process and Reforms

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

Theory Courses

- **Every semester, three Internal Assessment Tests are administered. The Academic Calendar that is distributed to the students contains the schedule.**

- **The HoD chooses the best of two question papers that are assigned in accordance with the course objectives and appropriate levels based on Bloom's Taxonomy.**

- **The QIC prepares an audit report on the assessment of the exam papers.**

Practical Courses

- The internal grades for the laboratory courses are entered into the Anna University web portal based on the performance of the students in the administered model exam.

Project Work

- The projects completed by final year students are chosen based on the department's goals and objectives.

- Students can choose from a variety of fields while choosing project ideas. Students are allowed to select their guide according to the faculty member's area of expertise.

- After choosing a topic of interest, students do a literature review, formally formulate the problem, and then put it into practice.

- During the project reviews, students are urged to publish their work in reputable journals or conferences.

File Description	Documents
Any additional information	[View File]()
Link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2023/C2_5_1.pdf

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

Every student must have a profile prepared in accordance with Anna University's (AU) regulations in order to maintain the database in the AU-Web portal for subsequent procedures. As needed, issues pertaining to profile changes or corrections will be addressed. Exam Cell intervenes to assist in resolving name and birthdate rectification problems on grade sheets and other documents. Exam Cell handles complaints about requesting a photocopy of the valued response script, "revaluation," and "review revaluation" as needed. The database that is kept up to date in accordance with AU regulations is thought to be the only pertinent source for determining whether a student satisfies the conditions established

by any other organization (such as eligibility to take part in placement drives held by different organizations)

The scores of two Internal Assessments from every department are put into the AU-Web site according to the entry window specified by AU. Any complaints about how the AU-Web interface displays the grades that students have received are promptly resolved.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2023/C2_5_2.pdf

2.6 - Student Performance and Learning Outcomes

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

Aligning each Course Outcome (CO) with the desired Program Outcomes (POs) and Program Specific Outcomes (PSOs) is a necessary step in creating an effective outcome-based curriculum. Examining the degree to which the outcomes are covered and evaluated in the curriculum is made possible by the CO-PO mapping. The department has established its own PEOs and PSOs in accordance with the program outcomes outlined in the university curriculum and input from professionals in the industry.

The department faculty creates five or six course outcomes for each course, mapping them with PSO and PO. The faculty members will present and refine the course outcomes for respective subjects in the course committee meeting, which is held with the department head and subject matter specialists, prior to the start of each semester.

Along with the mapping of COs with POs and PSOs, the COs are entered into the institution's intranet site and included in the logbooks. COs are distributed to the students throughout each course's introductory sessions. The faculty members also remind the COs prior to the start of each subject unit in class.The IA test question papers, assignment question papers, and tutorial problem worksheets contain information on the course outcomes.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	http://saranathan.ac.in/IQAC/AQAR2023/C2_6_1.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Each CO's direct accomplishment is determined using a ratio of 60% through external exams and 40% through internal exams. The percentage of pupils who achieved higher than the target in external examinations is used to compute the attainment. Depending on the proportion of pupils that scored higher than the goal ranges, the attainment level is assigned a number between 1 and 3. Depending on the target ranges and the survey's attainment %, the attainment level is assigned a number between 1 and 3.

Each course's COs are correlated with POs and PSOs in a matrix with appropriate levels of 1, 2, or 3. The average of each PO and PSO is determined from the matrix as well as the defined ranges, determine the predicted PO achievement level, which is set at 3, 2, or 1. The average of POs and PSOs, as well as the fixed ranges, determine the PO achievement level, which is fixed at 3, 2, or 1.

At the conclusion of the last semester, all courses provide the graduate exit survey. The total attainment of POs is calculated using 80% of the attainment through direct assessment and 20% of the attainment through indirect assessment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://saranathan.ac.in/IQAC/AQAR2023/C2_6_2.pdf

2.6.3 - Pass percentage of Students during the year

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

year
640

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<u>View File</u>
Upload any additional information	<u>View File</u>
Paste link for the annual report	<u>http://saranathan.ac.in/IQAC/AQAR2023/C2_6_3.pdf</u>

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)

<u>http://saranathan.ac.in/IQAC/AQAR2023/C2_7_1.pdf</u>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

0.19

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

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

3.1.2.1 - Number of teachers recognized as research guides

21

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

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://saranathan.ac.in/IQAC/AQAR2023/C3_1_3.pdf

3.2 - Innovation Ecosystem

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

The institution continued to make strides in creating the right ambience for innovating and demonstrating new ideas. The Intellectual Property Rights and Economic Development Cell (IPEDC) signed a MoU with the IPR firm 4A IP solutions, Noida to assist staff and students in drafting filing patents with the entire expenses borne by the institution. The rights of a registered patent were transferred to a manufacturer under Design Act 2001, and were granted a certificate. Special lectures by IPR legal experts were arranged to create awareness among staff and students. World Intellectual Property Day was commemorated as "Women and IP: Accelerating Innovation and Creativity," emphasizing the crucial role of women in propelling innovation and creativity forward. SARA INNOVATION DAYwas organized onMay 23, 2023 to exhibit the outstanding innovations of students who were duly recognized and

awarded for their projects and exhibits by leading institutions. Centres of Excellence concentrated on training students and staff in advanced programming, Artificial Intelligence and Data Science technologies. Certification programmes on emerging software continued to produce employable professionals .Additive manufacturing facilties were effectively used by students and staff members to fabricate new products which were later patented and published in journals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2023/C3_2_1.pdf

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

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

15

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

3.3 - Research Publications and Awards

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

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

55

File Description	Documents
URL to the research page on HEI website	https://saranathan.ac.in/IQAC/AQAR2023/C3_3_1.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

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

144

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

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

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

143

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

Our college has one hundred student volunteers for the NATIONAL SERVICE SCHEME (NSS). As required by Anna University regulations,

NSS carries out personality/character development programs. Furthermore, undertaking regular visits to rehabilitation facilities, organizing educational sessions on Disaster Management, First Aid, Drug Abuse, and Blood Donation. On World Bicycle Day, International Yoga Day, and National Unity Day, the unit held all-day festivities. NSS student volunteers have assisted in organizing blood donation camps. Every year, the unit holds a five-day village adoption camp during which time an adopted hamlet is cleaned up and veterinary camps are held. Additionally, PAN card, Aadhaar card, and Passport Seva camps are coordinated by this unit. The institution's YOUTH RED CROSS (YRC) Unit and RED RIBBON CLUB (RRC) are actively involved in blood donation camps and orientation programs. Through a variety of programs, including guest speeches by accomplished career women from a range of backgrounds and awareness raising about safety, health, career, and self-employment elements, WOMEN EMPOWERMENT CELL(WEC) seeks to empower female students and women teachers. The institution serves as a hub for recruiting and competitive exams such as TNPSC, NEET, and others.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C3_4_1.pdf
Upload any additional information	View File

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

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

9

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

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

and NGOs) during the year

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

15

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

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

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

996

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

3.5 - Collaboration

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

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

335

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

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

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

17

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Saranathan College of Engineering is recognized as one of the top 20 colleges in TamilNadu Established in 1998. Nestled within a sprawling 20.43acre campus, the college boasts a robust infrastructure featuring well-equipped classrooms and laboratories adhering to AICTE specifications. To align students with industry standards, the college houses cutting-edgeindustry tie-up laboratories, including the E-Yantra Robotics Lab, Infosys campus connect Lab, National Instruments Research Lab, and Communication lab. Meeting AICTE norms, both the number and area of classrooms, along with lab equipment, are in accordance. For self-directed learning, students benefit from resources like SWAYAM-NPTEL, MOOCS, and internet facilities. Each department is equipped with dedicated Seminar Halls, incorporating ICT-enabled facilities. Accessibility

is a priority, with provisions such as ramps, lifts, accessible washrooms, potential classroom relocations, wheelchairs, and personalized attention, including counseling, for physically challenged students. The college houses over 800 desktop computers distributed across departments and laboratories, all interconnected through a 1000/100Mbps LAN, facilitating academic and administrative tasks. Hostel facilities cover 3,754sq.m. for boys and 5,600sq.m. for girls, offering amenities such as Wi-Fi, gymnasiums, libraries, and ambulance services. Transportation needs for day scholars are well-catered, with a City Union Bank ATM conveniently located within the campus.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C4_1_1.pdf

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

SCE actively promotes sports and emphasizes the pursuit of excellence in athletic endeavors. The sports infrastructure encompasses both indoor and outdoor facilities, featuring well-maintained grounds for cricket, football, tennis, basketball, volleyball, hockey, athletics, and a gym for boys. Additionally, there is a separate sports area for field events like shot put and kho-kho. Specific spaces are allocated for table-tennis, chess, and carrom. Saranathan recognizes and rewards outstanding sports achievers with scholarships. A strong emphasis is placed on student participation in various levels of sports competitions, including Zonal, State, National, and International tournaments. The college actively facilitates such involvement by hosting National Sports Events on campus, providing grounds that meet the stringent requirements of National Sports Associations. The management is dedicated to furnishing participants with necessary facilities for their athletic pursuits. Yoga sessions, conducted for boys and girls by trained instructors, contribute to the overall well-being of the students. In the realm of cultural activities, students with talent are encouraged to showcase their abilities in various events and participate in extracurricular activities. The college organizes cultural festivals such as "SAARAL" and "Margazhi Maha Utsav," providing platforms for students to express their cultural talents and celebrate our rich heritage in the arts.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C4_1_2.pdf

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

21

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C4_1_3.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

254.77

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

4.2 - Library as a Learning Resource

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

The library at Saranathan College of Engineering is fully automated, employing in-house software for various functions such as Circulation, Procurement, Reservation, OPAC (Online Public Access Catalog), as well as managing Project Reports and Question Papers.

For the past 13 years, the library has been a proud member of the IEEE and ASME. It is equipped with internet facilities that enable access to e-resources. On average, around 150 students utilize the library resources daily. Users have access to publications from major publishers such as Springer, ASME, IEEE, etc., and can explore a collection of approximately 5,000 e-books and 242 international journals. The Central Library is also affiliated with the National Digital Library (NDL), boasting a vast collection of over 99 lakh e-books and e-journals, actively utilized by students and staff.

Subscribed journals, comprising 101 titles and 3153 bound volumes, are maintained in the library. Additionally, the library houses project reports submitted by students as part of their coursework, extensively utilized by the student community. The Digital Library is equipped with 30 systems, providing students convenient access to the available e-content.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://saranathan.ac.in/IQAC/AQAR2023/C4_2_1.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources | A. Any 4 or more of the above

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

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

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

17.92

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

489

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

4.3 - IT Infrastructure

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

Network infrastructure with ring topology connects all departments laboratories at SCE using L3, L2 switches. The computers are linked through LAN and connected to the data-center via 59GB network switches. The campus shares a 520Mbps Internet connectivity, 500Mbps dedicated for student use.

The data-center operates 24x7 without interruption, safeguarding computers from viruses through the implementation of a Sophos hardware firewall. The data-center is supported by uninterrupted powersupply. Various licensed softwares, Windows-volume license, MS Office, Visual Studio, MS SQL Server, Oracle, Rational Suite Enterprise, SPSS, MATLAB, ORCAD, ADS, NS2, PSpice, LabVIEW, Cadence, E-pro, as well as open-source operating systems such as Ubuntu, CentOS, Fedora, and several open-source software applications, are utilized by different departments. These systems are protected by K7Endpoint Security and 360 TotalSecurity.

Wi-Fi access is extended to both students and faculty, with individual Wi-Fi points operational in each block. Additional Wi-Fi points are strategically placed in key locations such as the library, hostels, and administrative buildings. All these access points are routed to the Unify Wi-Fi controller in the data-center, ensuring centralized configuration and updates.

Regular updates are maintained through the WSUS, while anti-virus updates are facilitated through a cloud portal, ensuring the security and efficiency of the network.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C4_3_1.pdf

4.3.2 - Number of Computers

875

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

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

```
898.59
```

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

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

```
Laboratories at Saranathan College of Engineering are equipped with
relevant safety precautions, clearly displayed within each lab.
Separate registers are meticulously maintained for stock, breakdown
services, and maintenance. Machines and instruments undergo regular
cleaning, breakdown services, and periodic calibration. Consumables
are replenished every six months, and safety aids are provided as
needed.

Classrooms: In the classrooms, furniture, projectors, and equipment
undergo periodic checks and are well-maintained. Daily cleaning
routines ensure a conducive learning environment.

Sports: The sports facilities and play areas receive regular
maintenance under the supervision of the Physical Education
Director. Any observed damage is documented in a register, and
appropriate actions are taken.

IT: The IT department monitors and maintains hardware
troubleshooting, software installation, biometric device management,
and network-related issues through the IT help desk. Complaints
received via email are promptly addressed and resolved.

Library: The library undergoes regular stock verification, guided by
the Library Advisory Committee, which convenes at regular intervals
for book and material selection. Reserved books in circulation
cannot be renewed or reissued. In case of lost books, borrowers,
with the Principal's approval, either replace the books or pay
double for the lost items.
```

File Description	Documents
Upload any additional information	*View File*
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C4_4_2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1161

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

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

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

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	**No File Uploaded**

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	https://saranathan.ac.in/IQAC/AQAR2023.php#
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

2075

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

2075

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student	**A. All of the above**

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

352

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

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

5.2.2.1 - Number of outgoing student progression to higher education

16

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

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

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

3

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

5.3 - Student Participation and Activities

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

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

93

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

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

- **In pursuit of continuous enhancement in both academic and administrative spheres, the institution has established a diverse array of well-constituted committees aimed at fostering student engagement and representation. Each class forms a dynamic class committee consisting of five students, selected through peer elections and collaboration with the class coordinator. These representatives play an integral role in contributing actively to class committee meetings, where they not only articulate their own ideas but also convey valuable suggestions from their peers.**
- **Departments further promote student involvement through dedicated technical associations and student branch of professional bodies such as IEEE that organize a variety of technical events. The institution goes beyond conventional education by nurturing student talents through the establishment of an assortment of clubs. Additionally, the annual multidisciplinary project expo serves as a platform for students from different departments to present innovative ideas.**
- **The Entrepreneurship Development Cell (EDC), operating effectively under the guidance of a faculty advisor and coordinators, actively includes student members from various departments. Simultaneously, the Women Empowerment Cell passionately motivates women students and faculty members. A dedicated committee for the Prevention of Sexual Harassment (POSH) proactively addresses and prevents gender-based discrimination and sexual harassment against women, reflecting the institution's commitment to a safe and inclusive environment.**

File Description	Documents
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2023/C5_3_2.pdf
Upload any additional information	View File

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

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

366

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

5.4 - Alumni Engagement

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

- **Saranathan College of Engineering has a vibrant alumni network, which actively contributes to the institution's progress through invaluable services. Our alumni selflessly share their expertise and experiences, aiming to benefit current students, the institution itself, and their fellow graduates.**
- **Various occasions witness enthusiastic alumni participation, featuring interaction sessions with students held at regular intervals. These interactions create meaningful opportunities for alumni, current students, and faculty to connect and discuss industry trends, opportunities, and institute development initiatives. Initiatives like Alumni Talk and the Alumni Association play a crucial role in facilitating**

knowledge transfer about industry requirements to faculty members and students with the aim to empower fresh graduates for success in the competitive professional world by ensuring that they gain insights into the evolving demands of industries.

- Alumni interaction serves multiple purposes, offering career guidance, preparing students for corporate challenges, and identifying essential skill sets for their chosen fields. Alumni significantly contribute by motivating students to deepen their knowledge during the curriculum, sharing valuable industry insights and experiences. This symbiotic relationship ensures a continuous exchange of knowledge, fostering the overall growth and development of Saranathan College of Engineering.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C5_4_1.pdf
Upload any additional information	View File

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

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The institute's governing body has established the rules and guidelines for the policies, procedures and programs. The institute-level decision-making is handled by IQAC. Various committees are established, and duties are distributed, to ensure that plans and actions are carried out effectively. The following initiatives were carried out in the academic year 2022-2023 in order to fulfill the institutional vision and mission.

- Computer peripherals of the centralized computer facility have been improved.

- New books are added to our library to help the students to learn more.
- UG programme namely B.E.Computer Science and Engineering (AL&ML) has been introduced with an intake of 60 and B.Tech (AI&DS) have been increased withan intake into 120.
- Students were participated in various national level events like Smart India Hackothone.
- A MOUs with corporate houses that lead to better opportunities for our students.

The vision statement of SCE is about imparting engineering education that includes fundamental knowledge along with ethical skills thus providing quality education. The mission statement defines and specifies how the institution plans to fulfil its Vision. During the process of delivering the vision it has set itself an additional benchmark of becoming a model self-financing institution without compromising on its core ethical values.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C6_1_1_ii.pdf
Upload any additional information	View File

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

The institute practices decentralization and participatory management in line with its dedication to democratic traditions and collective leadership. The substantial delegation of power to the heads of the various departments is one way in which this practice is particularly evident.

NAAC awards us an A+ certification due to effective leadership. NBA reaccredits all SIX branches (CSE, ECE, EEE, ICE, IT, and MECH) for a total of THREE additional years, ending on June 30, 2025.Faculty members and students,filed and published numerous patents; the team that competed in the Smart India Hackathon 2022 was awarded prizes; faculty members have also worked with industry as consultants.

The Ways in which Heads of Departments participate in the Management Process

- The Head of the Department oversees the Teaching Plans of

> his/her departmental faculty members.
- He/she has the authority to call departmental meetings to decide on the programs for the entire term.
- He/she plans and leads the Parent-Teacher and mentor-mentee sessions, where students' academic achievement is discussed and reported to their parents.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C6_1_2_i.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Role of Training and Placement in the Institution

For successful graduation, the Department of Training and Placement is helping the graduates to find employment by maintaining contact with reputable firms and industries. The department is to help graduates and employers connect. In order to bridge the gap between academics and company expectations and also to make the students industry ready, the department has strategized and deployed a training system.

Objectives

The primary goal is to equip the students with relevant and conceptualized professional skills and in turn to guide them towards a deserving career with the values of – 'Sincerity', 'Hard Work' and 'Ethics'.

- To attain the above stated goal, the following key plans of action have been framed:
- To establish a link between students, alumni and the employers' community.
- To impart knowledge related to placement including verbal, aptitude, and reasoning skills as part of the regular academics and periodically evaluate the learning curve through assessments.
- To organize Aptitude & Soft skills Training Programs to prepare students to face Campus Recruitment process.
- Implementation and outcomes are discussed in additional

information.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2023/C6_2_1_iii.pdf
Upload any additional information	[View File](#)

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

Saranathan College of Engineering was established by "VidyaSevaRatnam", "Guru Seva Mani" Auditor Sri. K. Santhanam inthe year 1998. It was so named in respectful memory of his Guru Principal Saranathan, then Principal of National College, Tiruchirappalli, Tamil Nadu. Saranathan is a self-financing Engineering college approved by AICTE and affiliated to Anna University, Chennai. In accordance with AICTE norms, the Principal and Secretary of the College oversee the Governing Council's operations for efficient management and oversight. The institution has policies, administrative setup, and appointment and service rules for proper functioning.

The organizational structures of Saranathan College of Engineering (SCE) including, Governing Council are described as follows.

The Governing Council comprises of 14 Members and is represented by Chairman / Secretary of the Institute. The Secretary accomplishes the academic and administrative activities of SCE and convenes the Governing Council meeting once in a year or as and when required. All important policy decisions are taken by the members of the Governing Council of SCE. For the proper functioning of Institute, the hierarchy is maintained as per the organization chart andresponsibilities carried out at all the levels.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C6_2_2_ii.pdf
Link to Organogram of the institution webpage	https://saranathan.ac.in/IQAC/AQAR2023/C6_2_2_iii.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

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

6.3 - Faculty Empowerment Strategies

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

The institute offers a number of welfare programs to support and empower its faculty. The effective measures support them to meet their academic and personal goals.

The institute has implemented the following welfare initiatives:

- **Subsidized transport facilities to and from home to college and car facilities for senior staff members.**
- **Family Get-togethers**
- **Motivational Talk on Teachers' Day.**
- **A birthday gift voucher is given to all faculty members on their birth date.**
- **Financial assistance for FDP and workshop.**
- **On-duty for attending workshop, FDP, Conferences.**

- **Institution provides free lunch services to minimum of twenty members in the institute.**
- **Employees Provident Fund (EPF).**
- **Insurance scheme facility.**
- **Fee concession/scholarships for the children of faculty members.**
- **Maternity Leaves to female staff with salary.**
- **Facility of Wi-Fi in campus.**
- **Reprographic facility (Xerox).**
- **Study leave to purse part time Ph.D.**
- **Marriage gifts.**
- **Ph.D. Increments to Teaching staff**

File Description	Documents
Paste link for additional information	https://www.saranathan.ac.in/IQAC/AQAR2023/C6_3_1_ii.pdf
Upload any additional information	View File

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

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

02

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

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

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

05

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

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

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

230

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

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

Performance Appraisal system consisting of various phases is done on a specific format annually and confidentially. The principal evaluate the submitted self-appraisal form. Self-appraisal forms are formatted at various levels such as Principal, HoDs, Professor, Associate Professor, Assistant Professor.

The following criteria are used to evaluate the teaching staff's performance appraisals:

- Academic Execution.
- Academic Innovation.
- Publications/patents, Research, Consultancy and prominent Institute-Industry interactions.
- Prominent external interaction/recognition including representing institution in university committees (BOS, etc.)

Self-appraisal form duly filled in by the faculty is submitted to HOD. HOD will submit the format to the evaluation committee along with their comments on the concerned faculty. HOD has to submit their self-appraisal form to Principal. Principal and the committee will review the forms. After evaluation the fitness of the concerned faculty to continue in the present position or fitness for promotion is determined and documented. If any undesirable performance is noticed, the same is reported to the concerned faculty along with suggestions for necessary improvements.

File Description	Documents
Paste link for additional information	https://www.saranathan.ac.in/IQAC/AQAR2023/C6_3_5_i.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The heads of departments, the head of training and placement, and the librarian get together once a year as appointed by the head of the institution to discuss the budget requirements for recurring and non-recurring expenses, faculty and student development, research and development, operation and maintenance, infrastructure development, furniture, training, and travel expenses. These costs are estimated using the institution's future development goals and student enrollment. The Head of the Institution reviews the planned budget before sending it to the Governing Council for approval. The Governing Council discusses the budget with the Institution Head before approving it.

The Head of the Institution calls a meeting to discuss the action

plan for procurement of the budgeted requirements. Actions for procurement of lab equipment, upgradation of existing lab facilities, purchase of consumables etc., are initiated by the respective departments based on the allotted budget. The allocated funds are utilized effectively to meet the expenses such as staff salary, infrastructure development, purchase of equipments, etc. The management monitors the utilization of financial resources by regular and periodical reviews. The accounts of the college are audited externally by chartered accountant regularly.

File Description	Documents
Paste link for additional information	https://www.saranathan.ac.in/IQAC/AQAR2023/C6_4_1_i.pdf
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

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

Mobilisation of funds

The institution has a proper channel for raising money to support its long-term, efficient operations. This finance generated supports the Institution to meet its vision and mission.

Optimal Utilization of resources

Our institute has well defined financial monitoring system to

monitor the most efficient use of finances. The institute uses a centralized management system to make efficient use of its resources. Resource utilization for Infrastructure development, teaching and learning process, and other supplementary is done through proper centralized channel for optimal utilization. Resource available in institute premises is shared by all the departments such as seminar halls, computer labs, laboratories and supplementary components based on availability.

Mobilized funds are optimally utilized for various expenses comes under recurring and non-recurring expenses, salary for teaching, nonteaching staff members and other expenses which includes Student development, Faculty development, Research and Development, Operation and Maintenance, Infrastructure development, Furniture, Training and Travel expenses, purchase ofbooks for central and department library, transport, day-to-day administration, hostel and maintenance expenses etc., The students can utilize the budgeted amount in their development of co-curricular and extracurricular activities.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IQAC/AQAR2023/C6_4_3_i.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

The primary objective of IQAC is to develop a system for consistent improvement in the performance of institution and thus achieve academic excellence.

The following is a description of the quality assurance procedures and methods used by our institution.

NPTEL Resource

NPTEL video resources are available on hard drives and can also be accessed through the intranet of our institute. There are more than 183 video lecture in different fields of engineering and science. This facility has been available in our campus to our faculty members and students since February 2013 and they have registered&

completed many NPTEL courses. Many have been certified in NPTEL courses with good scores.

Research Paper Publication in Journal and Conference Proceedings

Publishing helps to establish the faculty member as an expert in their field of knowledge. For the academic year, our faculty members have published nearly 334 articles in reputed Journals, National and International conferences.

File Description	Documents
Paste link for additional information	https://www.saranathan.ac.in/IQAC/AQAR2023/C6_5_1_ii.pdf
Upload any additional information	View File

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

Two examples of institutional reviews and implementation of teaching learning reforms initiated by IQAC are on Outcome-Based Education and Academic auditing.

- **Outcome-Based Education is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve objectives and outcomes. The objective is to assess student performance, or outcomes at various levels determined by Bloom's Taxonomy (BT) which provide classic definition of the levels of educational activity, from the very simple like memorizing facts to the more complex such as analyzing or evaluating information. Training in Blooms Taxonomy is done to upgrade the teaching skills and formulation of question papers. In addition, six departments of our institution has reaccredited by NBA for 3 years from2022-2025.**
- **Academic auditing is carried out in various levels to enhance the quality of teaching and learning process**

1. **Academic planner for every semester is prepared as per Anna University norms.**
2. **Course materials, lab manuals, assessment test question papers are prepared and the mode of delivery of lectures by faculty members before the commencement of semester and checked by**

academic committee.

File Description	Documents
Paste link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2023/C6_5_2_i.pdf
Upload any additional information	**No File Uploaded**

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

File Description	Documents
Paste web link of Annual reports of Institution	https://saranathan.ac.in/IQAC/AQAR2023/C6_5_3_iv.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The Women's Empowerment Cell at Saranathan College of Engineering, Trichy, established in 2013 by Dr. N. Gayathri Mathroobootham, a prominent gynecologist, actively engages in fostering awareness and empowerment.

Notable events include an awareness program on the "Provisions of Act for Women" featuring Ms. Akalya Ravichandran from NIT, Trichy,

and various competitions celebrating International Women's Day.

The Cell also addressed safety concerns with a talk on "Safety and Security Measures for Girl Students," featuring Ms. Anandhi Vedhavalli, Inspector of Police. The impactful initiatives received positive feedback, inspiring students and providing valuable insights into women's issues and literacy.

Mrs. Rajalakshmi Rajesh, Founder Director of Banconus Financial Service Pvt Ltd., Trichy, graced the occasion with a special address on "Our Life, Our Responsibility."

Sexual Harassment Redressal committee has been headed by Dr.Shanmugapriya, Prof from department of ECEto create awareness about sexual harassment of women at workplaces and to examine / inquire and recommend punishments/ remedial measure in the cases of complaints of eve teasing and sexual harassment and any other problems related to women .

Most of the students felt that the program was a great inspiration and gave them great exposure to women's literacy.

File Description	Documents
Annual gender sensitization action plan	https://www.saranathan.ac.in/IQAC/AQAR2023/C7_1_1_i.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.saranathan.ac.in/IQAC/AQAR2023/C7_1_1_ii.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

Solid Waste Management at our institution involves segregating biodegradable and non-biodegradable waste in designated bins placed strategically. The Tiruchirappalli City Corporation receives the segregated trash, including cow dung and lawn cuttings from our campus. These materials are composted to produce manure, fostering the growth of trees and gardens on campus. Additionally, our organization promotes paperless communication to minimize solid waste.

In Liquid Waste Management, wastewater from the women's dormitory is treated and repurposed for fodder cropping, while sludge becomes fodder manure. The canteen's wastewater is separately collected for watering plants on campus. Toilet waste is managed through septic tanks, ensuring regular disposal. Sprinklers are installed in the college lawn to regulate water usage effectively.

Biomedical Waste, specifically sanitary napkins, undergo incineration in the Sanitary Napkin Incinerator. Waste recycling includes periodic dispatch of exam papers and metal scraps to local vendors.

Hazardous Waste Disposal in Chemistry & Chemical Engineering Labs adheres to proper labeling and treatment by the Facility Management Division.

E-Waste Management incorporates hardware recycling and cloud storage to minimize electronic waste. Our institution encourages students to adopt cloud-based solutions, addressing common e-waste items responsibly. Awareness campaigns educate students on proper e-waste handling, emphasizing recovery and waste reduction.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available	A. Any 4 or all of the above

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

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of bicycles/ Battery-powered vehicles** 3. **Pedestrian-friendly pathways** 4. **Ban on use of plastic** 5. **Landscaping**	A. Any 4 or All of the above

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

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

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

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**A. Any 4 or all of the above**

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

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

CULTURAL, REGIONAL AND OTHER DIVERSITIES.

- **Ayudha Pooja was celebrated in our college on 24thOctober 2023 with religious fervour. Members of staff in large numbers along with the members of management participated in the**

function to seek the blessings of Goddess Saraswathi, the goddess of knowledge and learning.

- An annual feature called Margazhi Mahotsav was organized on 21/12/2022. A concert was organized at Mangalam Convention Hall to mark the occasion. Large number of students and members of staff participated and enjoyed the feat of music.
- Vinayaka Chathurthi was celebrated on 18th September 2023. Abishekam and pooja was conducted on that day for our campus deity, Lord Sangashtahara Vidya Ganapathi. Members of management and staff participated in the function and received the prasadam.

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

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

7.1.9 CONSTITUTIONAL OBLIGATIONS

a) INDEPENDENCE DAY CELEBRATIONS

Saranathan College of Engineering celebrated the 76th Independence Day of our country at our college premises on 15-08-2022 with Dr. R. Natarajan, Prof. and Head, R&D as the Chief Guest.

b) REPUBLIC DAY CELEBRATIONS

74thRepublic day was celebrated in our college on 26-01-2023 with Dr. R. Thillaikarasai, Prof. and Head, Department of Information Technology as the Chief Guest

c)NSS ACTIVITIES

- Peoples movement for Clean Cities was organized on03-06-2022.
- World Bicycle Day was commemorated with a rally on 04-06-2022.
- Yoga Programmewas organisedon 21-06-2022.
- Pledge against Drug abuse was taken on 11/08/2022.

- ○ **Awareness on Disaster Management Program was conducted on 24/09/2022.**
- ○ **In association with Passport Seva Kendra, Tiruchirappalli, Passport Seva Camp was organized on 11-10-2022.**
- ○ **"CLEAN INDIA MOVEMENT" was organized on 30.10.2022.**
- ○ **National Unity Day was observed on 31/10/2022.**
- ○ **In association with Sri Sathiya Sai Seva Organization, a programme, "First Aid" was organized on 20-02-2023 with Mr. R. Suresh, as the chief guest.**
- ○ **Blood donation camp was organized on 21.03.2023.**
- ○ **Five day special camp was organized for the benefit of village people.**

d) YRC organized blood donation camp on 21/09/2022.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.saranathan.ac.in/IQAC/AQAR2023/C7_1_9_i.pdf
Any other relevant information	https://www.saranathan.ac.in/IQAC/AQAR2023/C7_1_9_ii.pdf

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

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

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

7.1.11. NATIONALCOMMUNITIES DAY

- **CLEAN INDIA MOVEMENT was organized on 30.10.2022.**
- **World Bicycle Day was commemorated with a rally on 04-06-2022.**
- **International Yoga day was commemorated on 21-06-2022.**
- **Pledge against Drug abuse was taken on 11/08/2022.**
- **Awareness on Disaster Management Program was conducted on 24/09/2022.**
- **Passport Seva Camp for the benefit of students was organized on 11-10-2022.**
- **"CLEAN INDIA MOVEMENT" was organized on 30.10.2022.**
- **National Unity Day was observed on 31/10/2022.**
- **"First Aid Awareness"Programme was organized on 20-02-2023.**
- **In association with Uyir Thuli Blood Bank, Tiruchirappalli, Blood Donation Camp was organized on 21.03.2023.**
- **The NSS Unit of Saranathan organized a 5 day special camp for the benefit of village people.**
- **Saranathan College of Engineering celebrated the 76th Independence Day on 15-08-2022.**
- **74thRepublic day was celebrated in our college on 26-01-2023.**
- **National Mathematics Day was celebrated on 22.12.2022.**
- **National Science Day was celebrated on 28.02.2023**
- **National Statistics Day was celebrated on 29th June 2023.**
- **Women's Day was celebrated on 8th March 2023.**
- **Engineer's Day was celebrated on 15th September 2022.**

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

Best Practices- I Research Initiatives

1.Title of the Practice: Inculcate a Research Culture among Faculty and Students.

SCE leadership encourages faculty participation in research in their departments by promoting the publication of research papers in journals and conference presentations. Awardsand recognization will be provided tofull-time and part-time researchers based on their achievements. A focus on research leads to success, and student teams achieve success and honors in various research competitions, often receiving cash prizes. . The collegecontinues to promote these achievements through prize money earned by organizing teams.

Best Practices- II Digitization

1.Title of the Practice

Implementation of Sara Portal (ERP)

The main features of this Portal are:

Provide information regarding each student's status to all stakeholders. Each faculty can establish COs and POs for their courses.Itprovide Course attainment at the end of semester. The availability of academic records like attendance, internal marks , university gradesetc. will help teachers in providing appropriate guidance and counseling. Faculty members can update their profiles at any time about conferences, publications in journals and conferences, which will appear in the faculty database. Students can also access their academic information such as attendance, internal examinations, university results and grades thro' their individual

```
login.
```

File Description	Documents
Best practices in the Institutional website	https://www.saranathan.ac.in/IQAC/AQAR2023/C7_2_1_i.pdf
Any other relevant information	https://www.saranathan.ac.in/IQAC/AQAR2023/C7_2_1_ii.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

```
INSTITUTION DISTINCTIVENESS

Specific achievements in 2022-23:-

    o   "Sara Hackathon2023, an Intra-Collegiate 36 hours live event
        was organized on 24th and 25th February 2023. Three best
        project ideas of students were awarded cash prizes.


    o   One new UG programme, B.Tech Artificial Intelligence and
        Machine Learning has been introduced with AICTE approval.


    o   The approved intake in UG programme, Artificial Intelligence
        and Data Sciences, has been increased from 60 to 120.


    o   Mr. Suthanthiran, II Year AI&DS student secured Second prize
        with a cash award of Rs.30,000, presenting project idea
        "Habitat Hive - Your Perfect Destination for Hassle-Free
        Hunting"in DAKSH SASTRA 2023, organized by SASTRA University,
        Tanjore


    o   Women's Transformation Program on Data Science and Big Data
        Analytics was organized.


    o   NSS volunteers, S. GAYATHRI DEVY and B. HARIHARAN completed 10
        day Adventure Camp in Manali, Himachal Pradesh, organized by
```

Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, Government of India.

- ○ Mr Sudhanshu Mani the master mind behind Vande Bharath Expresss gave special lecture on 28/04/2023.

- ○ Our college team, NEOSPARKERS emerged joint winners in Smart India Hackathon in RV University, Bengaluru.

- ○ Four teams of CSE Department won prizes in Hackathon organized by IIT Kanpur, SASTRA University and Care College.

File Description	Documents
Appropriate web in the Institutional website	[View File](#)
Any other relevant information	[View File](#)

7.3.2 - Plan of action for the next academic year

- A proposal to establish a research centre including all computing branches is suggested to be submitted to ANNA University.
- There is a proposal to enhance the sports facilities.
- A series of lectures by all departments is scheduled to be organised as the "Silver Jubilee Elite Lecture Series" in honour of our college's Silver Jubilee celebration.
- In order to celebrate various events in the open area, an amphitheatre is proposed to be built at the BD block.
- A highly equipped conference hall with 130 seats is intended to be built.
- By adding greenery to the front of every building, the college's overall ambience is intended to be improved.
- For the purpose of conducting labs for the CSE (AIML) and CSBS departments, it is suggested to establish two computer labs, each with 35 computers.