



YEARLY STATUS REPORT - 2021-2022

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		620017
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.	8489915207				
• Alternate phone No.					
• 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))					
4.Whether Academic Calendar prepared during the year?					
Yes					
• if yes, whether it is uploaded in the Institutional website Web link:					
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	NIUL	NIL	NIL	NIL	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			No File Uploaded		

9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Nil	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
Successfully conducted the Academic and Administrative audit and its followup actions have been taken.		
Suggested training on Coding in addition to verbal and aptitude training conducted by T&P Department.		
Purchased Webex for the purpose of conducting meeting such as conferences for more than 100 participants along with existing G suite. Suggested to increase classrooms with ICT tools for better learning environment.		
Organized an awareness programme on OBE and CO-PO Mapping and attainment for H&S faculties and newly joined faculty members.		
Prepared and successfully faced the re-accreditation visit of NBA review committee in all the accredited branches. Focused on the quality improvement in teaching learning by periodical internal academic audit and suggested 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		
Plan of Action	Achievements/Outcomes	
The institution has planned to apply for Autonomous Status in the next academic year 2023	As a part of application preparation, 12(B) and 2(F) form obtained from Anna University.	
Six branches (CSE, ECE, EEE,	Prepared and successfully faced	

ICE, IT, Mech) have been accredited by NBA and institution is planning to renew the same in the upcoming year	the renewal process accreditation.
To Develop more ICT enabled class rooms with state- of-art facilities.	Increased the classrooms with projectors
To establish the IPR cell to encourage and protect the intellectual property of the academic fraternity.	Established IPR cell with a team of professors and registered patents under their guidance.
To promote and motivate the faculty members to undertake consultancy services for the betterment of our society	In the department of EEE, the consultancy projects are going for M/s.VKA polymers Ltd., and M/s. Mallow Technologies, Karur.
To improve and measure the performance of students at continuous intervals through value addition courses for all UG and PG Courses.	A value addition programme was organized with M/s. Inlusto technologies for career development.
The institution is planning for additional lab infrastructure so as to provide the best practical exposure.	Purchase for a new computer lab with updated configurations has been initiated.
Our College has planned to develop a quality infrastructure with additional buildings for the newly approved courses.	Additional building infrastructures were created for newly affiliated courses.
To improve the placement prospects in multi-national companies, the institution is planning to provide additional technical, coding and soft skill training along with career guidance.	Mock interviews were conducted before placement drives to guide the students based on the evaluation made. A separate NeoPAT portal provided to the students to practice coding and company specific tests.
13.Whether the AQAR was placed before statutory body?	Nil
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021	10/02/2023

15. Multidisciplinary / interdisciplinary

As an affiliated institution, the Regulation 2021 of Anna University has given the opportunity to pursue the open elective subjects from other disciplines to equip the students on the needy environment. Due to this opportunity, the learning has widened the perspectives of the students to follow their passion. The Regulation 2021 is also offering professional elective subjects to inculcate the interdisciplinary skill sets on the recent advancements in the core. The professional electives strengthen the domain knowledge and cater the students to join in the workforce.

16. Academic bank of credits (ABC):**17. Skill development:**

The students belonging to the 2021-2022 academic year were exposed to various Skill Development program to improve the quality and enhance the placement opportunity. The following are the details regarding the same

- We have signed an MoU with M/s. Innate Talent to provide our students with a 12 days training from 03/05/2021 to 17/05/2021 on Aptitude and softskills, focusing on Quantitative Aptitude, Vedic Mathematics, Reasoning Aptitude, Verbal Aptitude, Employability and Life skills
- To ensure that our students are having equal opportunities in any and all placement drives, we have signed an MoU with M/s. Sixphrase to provide our students with a 12 days training from 10/08/2021 to 21/08/2021 on Technical Coding training, focusing on in-depth upskilling in the areas of C, Data Structure and Algorithms
- To ensure that the knowledge transfer is not diluted, we restrict the number of students per batch as 40, which has proved very effective in their placements
- During the training, we have also facilitated them with more

than 300 computers, to practice/to test the coding that they have learned, to have a holistic learning

- After the completion of both Aptitude and Coding training, our students were also exposed to company-specific tests and practice materials, to make them realize where they stand and guiding them on the areas that they must improve to hone their skills
- Apart from the above-mentioned training program, we have also enabled an online test practice portal (Neopat) which contains 10,000+ practice tests and company specific tests, to improve their skills and make them industry ready
- These skill development program has proven efficient as we had a really good placement. For the 2022 batch students we had achieved 620+ offers from 60+ companies with 100+ students having multiple offers, and more than 35% students are placed in core industries
- For the 2022 batch students, the highest salary package offered was 10.5 LPA and the average package is 3.2 LPA

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):

Since the six eligible courses of the institution are accredited by National Board of Accreditation (NBA), the Outcome Based Education (OBE) is already on track in the teaching and learning process. The institution has framed its own vision and mission. The course outcomes (COs) framed by the subject experts are mapped to programme outcomes (POs) and programme educational objectives (PEOs). The course outcome (CO) attainment is being calculated for all the courses at the end of semester. The assessment process follows the Revised Bloom's Taxonomy. Based on the attainment in the previous years, a significant improvement is noticed.

20.Distance education/online education:

Extended Profile

1.Programme

1.1

575

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

File Description	Documents
Data Template	View File

2.Student

2.1 **2434**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 **414**

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

File Description	Documents
Data Template	View File

2.3 **689**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 **159**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 **159**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1	575
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2434
Number of students during the year	

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Institutional Data in Prescribed Format	View File

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Data Template	View File

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Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	159
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	159
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	64
Total number of Classrooms and Seminar halls	
4.2	846.09
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	699
Total number of computers on campus for academic purposes	
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	
<ul style="list-style-type: none"> 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/AQAR2022/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.
- Schedule for IAT tests is announced and displayed in advance by Principal.

- The College has an Exam Cell and it holds the responsibility for all exam related activities.
- 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/AQAR2022/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

14

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)

75

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

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

1149

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

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

389

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

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

1115

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

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

702

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**396**

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 learning levels of the students are assessed based on the performance of the students in the Internal Assessment tests and also based on their CGPA in the university examinations.

The Students are categorized as advanced learners, average and slow learners.

During the second lockdown period, Classes and exams were conducted through Google Class rooms. Post lockdown, the normalcy was resumed by direct regular class room and lab activities. Bridge Course addresses the psychological impact of the change in learning methodology from school to college. Induction programs followed by Bridge courses are conducted for the first year newly admitted students on the topics of Foundations of English, Mathematics, Physics and Chemistry, Communication skills, Programming skills and Extracurricular activities.

Soft skills training, software training programs on Lab view for CLAD and on Python, HMS Foundation Course were conducted. Students were counseled and encouraged to participate in NPTEL certification courses. Students exhibit their talents in Hackathons.

The slow learners identified were provided with study materials such as questions and answers for their improvement in university exams. Remedial coaching classes before the university exams are also conducted for improving the performance of the students in university exams.

File Description	Documents
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2022/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
2434	159

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 deployed several practices for active participation of students in the Teaching- Learning Process. A Few of the student centric methods which yielded good results are listed below. Experiential learning ? Guest Lectures and workshops by experts from industry and academia are arranged through online platforms for students to enhance their knowledge in various emerging topics. ? Skill Improvement Programmes followed by Certification such as CLAD, NPTEL, Certification along with industry collaboration ? Presenting papers in the conferences by referring standard journals such as IEEE, Springer, Elsevier, etc. ? Opportunities to take up Internships such as company specific training in MRF, E-Con, Infosys, Hack with Infy etc., Participative Learning

? Youtube Channels and Blogs have been created for uploading the study materials to provide 24/7 access to knowledge. Test questions are prepared by the students and circulated randomly through their forums and Whatsapp groups Problem Solving Methodologies ? Participation in Hackathons, Virtual Engineering project Contests, Hackathons, which help the students in enhancing the problem solving and Analytical skills of students.

File Description	Documents
Upload any additional information	View File
Link for additional information	http://saranathan.ac.in/IQAC/AQAR2022/C2_3_1.pdf

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

Information & Communications Technology (ICT) enabled teaching methodologies was a boon for the faculty members. Multimedia teaching aids with internet enabled computers/laptops are used by the faculty members for better illustration of concepts in Online mode. ? Informative tools such as the applications/ digital resources available on internet that provide information in multimedia formats are used. Communicative tools such as Google Class rooms, Official Whatsapp groups, Group mail IDs facilitate communication between teacher and students. ICTs arouse interest among students and encourage them to adopt à new way of acquiring in- depth knowledge and developing skills. ? The online course materials of NPTEL, study materials provided through other standard online resources are made available in the Digital Library. ?Online access to the refereed journals, e- books and e- journals are made as part of Learning Management Systems (LMS) was provided to the students through Faculty members. ? Online workshops and guest lectures on the recent technology -developments, online training programs by T & P department for effective teaching and learning by the faculty members and students.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

101

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**

159

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

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

66

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**1402**

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

- Three Internal Assessment Tests are conducted for every semester. The schedule is declared in the Academic Calendar shared with the students.
- Two question papers are set based on the course outcomes and as per appropriate levels based on Bloom's Taxonomy where the best question paper is selected by the HoD.
- Due to the second lockdown, the exams were conducted through online platforms. Post lockdown, normalcy was resumed.
- An Audit report is prepared by the QIC member on the evaluation of each IA test papers by the faculty members.

Practical Courses

- Based on the student performance in the model exam conducted, the internal marks for the laboratory courses are entered in the web portal of Anna University.

Project Work

- The final year student's projects are selected in line with department mission, vision and program outcomes.
- Students are provided with exposure on emerging areas for

selecting their project ideas. The supervisors are assigned based on the area of specialization to each group of students.

- Students select a topic of interest and then perform a literature survey, formulate the problem and present the development of prototype in stages in project reviews.
- Students are encouraged to submit their project work in journals/conferences.

File Description	Documents
Any additional information	View File
Link for additional information	http://saranathan.ac.in/IOAC/AQAR2022/C2_5_1.pdf

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

As per Anna University (AU) requirements, a profile must be created for every student to maintain the database in AU-Web portal for further process. The grievances related to profile correction/change will be made as and when required. Exam Cell steps in and help resolve issues related to correction in details such as name, date of birth in Grade sheets and other documents. Any grievances, related to applying for photocopy of the valued answer script, "revaluation" and "review revaluation", is addressed by Exam Cell as and when required. The database maintained as per AU requirements is considered as the only relevant reference for evaluating whether a student meets the eligibility criteria set down by any external agency (to check the eligibility to participate in placement drives conducted by various companies)

Three Internal Assessments Test marks from all the departments are entered in the AU-Web portal as per entry period specified by AU. Grievances related to AU-Web portal in displaying the marks scored by the students are addressed immediately.

File Description	Documents
Any additional information	View File
Link for additional information	http://saranathan.ac.in/IOAC/AQAR2022/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.

A successful outcome-based curriculum involves aligning the individual Course Outcome (CO) with the intended Program Outcomes (POs) and with Program Specific Outcomes (PSOs). The CO-PO mapping paves the way to examining the extent to which the outcomes are being addressed and assessed in the curriculum. Each department has defined its own PEOs and PSOs in alignment with Program Outcomes described by University curriculum and the feedback collected from Industry experts. Six Course outcomes of each course are formed by the department faculty along with mapping them with PSO and PO. PO, PSO & COs are displayed in the website and that too department wise. In the Course committee meeting conducted with the subject experts and Head of the department, the faculty members will put forth the course outcomes for their subjects and fine tune them before the beginning of each semester. The COs are included in the logbooks and entered in the intranet portal of the institution along with mapping of COs with POs and PSOs. COs are disseminated to the students on the introductory classes of each course. Also COs are recalled by the faculty members during classes before the beginning of each unit in the subject.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	http://saranathan.ac.in/IOAC/AQAR2022/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.

The direct attainment of each CO is calculated based on the ratio of 60 % from external

examinations (by taking the percentage of students who have scored above the set target) and 40% through internal examinations. The indirect attainment is obtained from student's survey depending on the percentage of attainment. A correlation matrix of COs of each course with POs and PSOs is created. The direct attainment of each PO and PSO from internal and university examinations and average of all POs and PSOs are calculated. The expected PO attainment level is fixed as 3, 2 or 1. A graduate exit survey and an alumni survey on each PO are collected. From 80 % of the attainment through direct assessment and 20% Attainment through indirect assessment, the overall attainment is determined. This procedure is followed for all academic years. If the set target of COs is not achieved, then the process is repeated. If it is achieved, then it is revised to a higher value. If the target set for POs and PSOs attainment is achieved then the target is revised to a higher value and repeated, else, corrective measures are implemented.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://saranathan.ac.in/IQAC/AQAR2022/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

667

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://saranathan.ac.in/IQAC/AQAR2022/C2_6_3.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution

may design its own questionnaire) (results and details need to be provided as a weblink)

http://saranathan.ac.in/IOAC/AOAR2022/C2_7_1.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

39.577

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

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

3.1.2.1 - Number of teachers recognized as research guides

20

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

6

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.aicte-india.org/schemes/staff-development-schemes, https://www.tanscst.nic.in/, https://www.aicte-india.org/atal

3.2 - Innovation Ecosystem

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

The steady transition of academic functioning from online to offline mode opened a fresh blend of opportunities for skill acquirement and technical learning. The constitution of an Intellectual Property and Economic Development Cell (IPEDC) has given an impetus to patent filing and their subsequent conversion into products. Industry Academia collaboration acquired a new dimension with a faculty team successfully developing a monitoring cum data logging system for ambient air properties at Mallow International, Karur and continuing with further work at the institution's laboratory facilities. Campus Connect activities through Infosys Springboard platform have opened a gateway of opportunities for students and faculty members to equip themselves with next generation learning features. DELL EMC Centre of Excellence, Microsoft Certification Programme (MCP), Microsoft Technical Associate Certification (MTA), INFOSYS CAMPUS CONNECT etc. contribute copiously towards knowledge transfer on advanced computing technologies. AUTOMATION STUDIO and SIMCENTRE-AMESIM software facilitate multi-disciplinary learning platforms. The setting up of an Environment Laboratory encourages experimenting on green technology. Project exhibitions and internal round of Smart India Hackathon 2022 witnessed a pool of talent participation in providing innovative solutions. Modern business practices like HR Cloud software, Digital and Media Marketing etc. were disseminated to groom prospective management professionals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2022/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

31

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://www.saranathan.ac.in/center.php?tg t=scerc
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

161

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

124

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

As mandated by Anna University Regulations the NATIONAL SERVICE SCHEME (NSS) unit of our college conducts Personality / Character Development Programmes. Activities like Career Guidance Programs, First Aid, International Yoga Day Celebration, Visit to Rehabilitation Centre, A Visit to an Old Age Home, five day village adoption camp etc are conducted. YOUTH RED CROSS (YRC) Unit and RED RIBBON CLUB (RRC) of the institution is actively involved in conducting blood donation camps and orientation programmes. WOMEN EMPOWERMENT CELL aims at empowering girl students and women faculty through various initiatives, like invited talks by leading career women from various walks of life, awareness on safety, health, career and self employment aspects. The Institution is a centre for conducting competitive/ recruitment examinations like NEET, TNPSC etc.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IOAC/AQAR2022/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

4

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

9

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

1416

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

322

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

14

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 established in the year 1998 is one among top 20 colleges in Tamil Nadu. The college is situated in a sprawling 20.43acre campus. SCE has a well established infrastructure with well equipped Classrooms and laboratories as per AICTE specifications. To prepare the students to industry expectations, the college has fully equipped industry tie-up laboratories like E-Yantra Robotics Lab, Infosys campus connect Lab, National Instruments Research Lab and Communication lab. The number and area of the class rooms and equipments in the Labs meet the AICTE norms. SWAYAM-NPTEL, MOOCS and internet resources help in self-learning to interested students. Each department has separate Seminar Halls with ICT enabled facilities. Special facilities have been provided for physically challenged students' such as ramps, lifts, wash room, relocation (if needed) of class rooms, wheel chairs, special attention and counseling where needed. More than 800 desktop computers are available in different departments and laboratories with 1000/100Mbps LAN connectivity to carry out academic and administrative work. The hostels have an area of 3,754sq.m for boys and 5,600sq.m. for girls with Wi-Fi, gymnasium, library, ambulance service etc. Well maintained transport facilities to day scholars. A City union bank ATM facility also provided insidecampus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2022/C4_1_1.pdf

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

SCE encourages sports activities and gives importance to pursuing excellence in sports. The sports infrastructure comprises facilities for indoor and outdoor games. There are well maintained outdoor grounds for Cricket, Football, Tennis, Basket ball, Volley ball, Hockey, Athletics and gym for boys. A separate sports area for field events like Shot put, Kho-Kho, etc., There are also dedicated spaces for Table Tennis, Weight/Power Lifting, Chess, and Carrom. The College also rewards with scholarships outstanding achievers in sports. Students are encouraged to participate in various Zonal, Inter Zonal, State, National and International Level Tournaments. Such participation is ensured by hosting such National Sports Events in the campus on grounds that meet the exacting requirements of such National Sports Associations. The Management is committed to providing these participants with all necessary facilities. Yoga sessions are arranged, for the students, by the Separate yoga trainers for boys and girls.

Cultural Events: Students possessing talent in cultural activities are encouraged to perform in various events and encourage taking part in extra-curricular activities. A cultural fest and a talent show in the names of "SAARAL" and "Margazhi Maha Utsav" are aimed at bringing out the talents of student community and showcasing our heritage arts.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2022/C4_1_2.pdf

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

18

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://saranathan.ac.in/IOAC/AQAR2022/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)

221.21

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)

Library is fully automated and In-house software used for Circulation, Procurement, Reservation, OPAC (Online Public Access Catalog), Project Reports and Question papers.

For the last 12 years the library is a member of the IEEE and ASME. The Library has internet facility through which the e-resources can be accessed. On an average around 150 students per day make use of the Library resources. The users of the Library can access publications of all major publishers like Springer, ASME, IEEE, etc. The users can access around 5,000 e-books and 241 International journals. The Central Library is also a member of

National Digital Library (NDL) which has a collection of more than 6 lakh e- books which the students and staff are making use of it. The journals that are being subscribed are bound as back volumes. There are about 101 titles and 3153 bound volumes. Library also maintains Project reports that are submitted by the students as part of their course curriculum are being used extensively by the student community. The Digital Library has 30 systems through which Students can access the available e-content.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://saranathan.ac.in/IOAC/AQAR2022/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)

13.85

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

433

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

All departments and laboratories are connected through L3 and L2 switches with ring topology. All the computers are connected over LAN and to the data centre through 59GB network switches. 175Mbps Internet connectivity is shared across the campus, where 150Mbps is shared for the students.

Data centre is working 24x7 without any interruption. Computers are protected from virus and other threats using Sophos hardware firewall. Data centre supported with uninterrupted power supply. Windows volume license, MS office, visual-studios, MS SQL server, Oracle, Rational suite enterprise, SPSS, MATLAB, ORCAD, ADS, NS2, Pspice, Labview, Cadence, E-pro licenses, open source operating systems such as Ubuntu, CentOS, Fedora etc. and also some open source softwares are used by different departments and protected with K7 Endpoint security and 360 Total security.

Wi-Fi access is provided to the students and faculty. Individual Wi-Fi access point is operative in each block. Additional Wi-Fi access points have been created in various places such as library, hostels and administrative buildings. All access points are routed to Unify Wi-Fi controller in the data centre where configuration

and updates are maintained in a centralized fashion.

Updates are maintained regularly through Windows Server Update Service (WSUS) and anti-viruses are updated through cloud portal

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://saranathan.ac.in/IOAC/AQAR2022/C4_3_1.pdf

4.3.2 - Number of Computers

699

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

4.3.3 - Bandwidth of internet connection in the Institution

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)

624.88

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.

The laboratories are furnished, relevant safety precautions are displayed in each laboratory. Separate registers maintained for stock, break down service and maintenance. Regular cleaning of the machines, break down services and instruments are calibrated periodically. Consumables are purchased every six months. Safety aids are provided wherever necessary.

Classrooms

The classroom furniture, Projectors and equipments are checked periodically and maintained properly. The cleaning of class room is done every day.

Sports

Regular maintenance of the play area and the sports facilities is under the supervision of Physical education director. If any damage is observed, the same is recorded in the register and further action taken.

IT

Hardware trouble shooting, software installation, Maintaining Biometric devices and network related issues are monitored and maintained by IT help desk. The complaints posted through E-mail are addressed and resolved immediately.

Library

There is regular stock verification process carried out. Library advisory committee helps in guiding the library and meets at regular intervals for selection of books and materials. Books which are in circulation can be reserved and it will not be

renewed and reissued. If the books are lost, then the borrower, after getting the approval of the Principal, replaces the books or pay double

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://saranathan.ac.in/IOAC/AOAR2022/C4_4_2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1236

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 benefitted 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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

3

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	http://saranathan.ac.in/IOAC/AQAR2022.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	
2038	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
2038	
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	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

482

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

10

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

8

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

5.3 - Student Participation and Activities

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

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

5

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

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

The Institution has established various well constituted committees to ensure continuous improvement in academics as well as administration.

Every class has a class committee consisting of five students who are elected by the students and class co-ordinator. They participate in class committee meetings to express their ideas and suggestions of other students.

Each department has its own technical association consisting of all students and faculty members and various technical events are organized. The institution has established various clubs to bring out the inherent talents of the students. E-Magazines and newsletters prepared and edited by students are published by each department. A multidisciplinary project expo is organized every year. A well established Entrepreneurship Development Cell(EDC) functions effectively under a faculty advisor and faculty coordinators as well as student members from various departments.

The Women Empowerment Cell actively involves in motivating the women students and faculty members. A committee for Prevention of Sexual Harassment (POSH) has been constituted with the goal to proactively monitor and prevent gender based discrimination and sexual harassment against women.

File Description	Documents
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2022.php#
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

133

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 an engaged alumni network that allows it to benefit from the skills and experience of our graduates, by offering their support to our students, to the institution and to each other.

The concept of Alumni Talk, Alumni Association and its related activities evolved for needs from both the ends, i.e. academicians and professionals, with the aim of professionally strengthening the fresh graduates to face the current challenges of competitive professional world.

Alumni of our college are invited during various occasions and interaction sessions with students are organized. Alumni interactions at regular intervals help creating an opportunity for

alumni, current students and faculty to interact and bond. It focuses on discussing about industry trends, opportunities and Institute development initiatives.

This alumni interaction helps in various ways such as

1. Career Guidance.
2. Preparing for the Corporate Challenges.
3. Skills sets required for the chosen stream.

The alumnus also used to motivate the students to gain better knowledge during the curriculum by sharing their experience in the industry.

File Description	Documents
Paste link for additional information	http://saranathan.ac.in/IQAC/AQAR2022.php#
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

Governing Body of the institute has framed the guidelines and directions for the programs, policies and Processes. IQAC looks after the decision making at the institute level. For effective implementation of plans/activities, various committees are formed and responsibilities are decentralized. To meet the institutional vision and mission the below activities were done in academic year 2021-2022.

- We have upgraded the centralized Computer Facility for hardware, software and computer peripherals.
- To enrich the students' knowledge recent books have been added to our Library collection this year.

- Two more UG programmes namely B.Tech Artificial Intelligence and Data Sciences, B.Tech Computer Science and Business Systems have been introduced with an intake of 60 each.
- Students were participated in various national level events like Smart India Hackothone.
- A MoU is signed with Huawei Services (Hong Kong) Limited.

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 fulfill 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/IOAC/AQAR2022/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 institution practices decentralization and participatory management in keeping with its belief in collective leadership and democratic traditions. A particular reflection of this practice may be seen in the extensive delegation of authority to the Heads of the various Departments.
- Effective leadership makes us to NAAC with A+ accreditation, All the SIX Branches (CSE, ECE, EEE, ICE, IT, MECH) are recredited by NBA for THREE more years until 30.06.2025, Students and faculty have registered and published many patents, with the guidance of Faculty members as team participated in Smart India Hackothone 2022 and won the prizes, Faculty members and students are collaborated with industries and have done consultancy works.
- 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 can convene departmental meetings where the

Programmes for the entire term are decided.

- He/she organizes and conducts the Parent-Teacher and mentor mentee meetings in which the academic progress of the students is discussed with the students and/or communicated to their guardians.

File Description	Documents
Paste link for additional information	http://www.saranathan.ac.in/IOAC/AQAR2022/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

The Department of Training and Placement plays a crucial role in finding job opportunities for Graduates graduating from the college. This is done by keeping in touch with reputed firms and industrial establishments. The department operates round the year to facilitate contacts between companies and graduates. 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/IOAC/AQAR2022/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 in the year 1998. It was so named in respectful memory of his Guru Principal Saranathan, the Principal of National College, Tiruchirappalli, Tamil Nadu. Saranathan is a self-financing Engineering college approved by AICTE and affiliated to Anna University, Chennai.

As per AICTE Norms the Governing Council is functioning under the Secretary (as the Chairman) and Principal of the College for effective administration and control. The institution has policies, administrative setup, and appointment and service rules for proper functioning.

The organizational structure 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 and responsibilities carried out at all the levels.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IOAC/AQAR2022/C6_2_2_ii.pdf
Link to Organogram of the institution webpage	http://saranathan.ac.in/images/oh-chart.png
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

Institute has various welfare measures to encourage and empower the faculty members. The effective measures support them to meet their academic and personal goals.

The following are the welfare measures taken by the institute,

- 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.
- Employment 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.
- Study leave to pursue part time Ph.D.
- Ph.D. Increments to Teaching staff
- Reprographic facility (Xerox).
- Marriage gifts.

File Description	Documents
Paste link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2022/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

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

25

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

75

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. A self-appraisal forms are formatted at various levelssuch asPrincipal, HoDs, Professor,

Associate Professor, Assistant Professor.

Performance appraisal of non-teaching staff is done based on report from the Department.

Performance appraisal of teaching and non teaching staff is evaluated on the basis of following points,

1. Academic Execution.
2. Academic Innovation.
3. Publication/patent, Research, Consultancy and prominent Institute-Industry interactions.
4. 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 will review the forms by considering factors such as loyalty to institute, frequency of taking leave, special permissions, and mentoring ability.

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://saranathan.ac.in/IQAC/AQAR2022/C6_3_5_ii.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

Every academic year, Head of the Institution convenes a meeting of the Heads of the Department, Training and Placement Head and Librarian to discuss the budget requirements on Recurring and Non-

recurring expenses, Student development, Faculty development, Research and Development, Operation and Maintenance, Infrastructure development, Furniture, Training and Travel expenses. These expenses are projected based on intake of the students and future development plans of the Institution. The prepared budget is scrutinized by the Head of the Institution and submitted to the Governing Council for approval. The budget is approved by the Governing Council after having discussion with the Head of the Institution.

After the budget approval, the Head of the Institution convenes a meeting to discuss the action plan for procurement of the budgeted requirements. Actions for procurement of lab equipment, up-gradation 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 equipment, 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	http://www.saranathan.ac.in/IQAC/AQAR2022/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)

NIL

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 to generate funds for the smooth running of the institute in a sustainable way. 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 optimal utilization of funds in a centralized manner. Institute follows a centralized management system for effective utilization of 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, non teaching 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 of books 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	http://www.saranathan.ac.in/IOAC/AQAR2022/C6_4_1_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 quality assurance strategies and processes practiced in our institution are described below.

NPTEL Resource

NPTEL video resources available in the form of Hard Disc and the contents are also available in our institution intranet. More than 183 video courses available in various Engineering and Science disciplines. This facility has been available in our campus since February 2013. From February 2013 onwards our faculty members and students have registered for many of these NPTEL courses and taken those exams. Many have been certified in those NPTEL courses with good scores.

Research Paper Publication in Journal and Conference Proceedings

Publishing helps establish the faculty member as an expert in their field of knowledge. For the academic year, our faculty members have published nearly 285 articles in reputed Journals, National and International conferences.

File Description	Documents
Paste link for additional information	https://saranathan.ac.in/IOAC/AQAR2022/C6_5_1_i.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.

1. Outcome-Based Education is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels based on Blooms Taxonomy (BT).

BT was created to provide the 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 accredited by NBA for 3 years from 2022-2025.

2. Academic auditing is carried out in various levels to enhance the quality of teaching and learning process.

- Academic planner for every semester is prepared as per Anna university norms.
- 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.

Faculty members incorporate changes suggested by the academic committee to ensure quality deliverables.

File Description	Documents
Paste link for additional information	http://www.saranathan.ac.in/IQAC/AQAR2022/C6_5_2_i.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality

A. All of the above

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

File Description	Documents
Paste web link of Annual reports of Institution	https://saranathan.ac.in/IQAC/AQAR2022/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 of Saranathan College of Engineering, Trichy was inaugurated by Dr.N. GayathriMathroobootham, Gynecologist in the year 2013. Chief guests and experts from various areas delivered a presentation on women's related issues, and they shed light on the qualities that are essential for women's empowerment and the challenges women face in the modern world.

A career guidance program and a personality development program to enrich students' employability skills are conducted at regular intervals. Ms. M. Sindhu, Proprietor of MS Design House, was the guest of honor for the function. Her knowledge sharing and motivational speech were very useful for the students.

In view of National Girl Child Day celebrations on 24.1.2022, WEC and NSS Unit of Saranathan College of Engineering organized various events and competitions such as Selfie with Mom, Poster Creation, Essay Writing, Speech, Rangoli, and Photography exclusively for female students of the institution. Mr. Allan Joy of ICT Academy addressed the students about skill development and soft skills training to 100 female students who are undergoing skill-based training programs conducted by ICT ACADEMY and DXC

Technology.

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://saranathan.ac.in/IOAC/AQAR2022/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://saranathan.ac.in/IOAC/AQAR2022/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

The Tiruchirappalli City Corporation gets the segregated trash. In addition to cow dung from our cattle, we use lawn cuttings from our campus lawn. They're dumped inside the compost pile, and the manure is used to fertilise our timber and gardens.

Liquid waste management

Waste water from our university canteen is being gathered one by

one, and sprinklers have been installed on our campus to be used to water plants. Septic tanks are used to store and regularly dispose of toilet waste.

Biomedical Waste Management

Sanitary napkins from the girls' restroom are disposed off via incinerating within the Sanitary Napkin Incinerator.

Waste recycling system

Bottles/boxes containing chemical substances for disposal should have clean labelling with descriptions of the contents, that is treated via the Facility Management Division.

E-Waste Management

- Saranathan College of Engineering is aware of the significance of retaining its attention on the right e-waste control approaches and disposal methodologies.
- In addition to hardware recycling solutions for e-waste control, cloud garage "Live in the Cloud." may be used to reduce e-waste output.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

C. Any 2 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).

- Vinayaka Chathurthi was celebrated on 10th September, 2021. Abishekam and pooja were 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.**

- Ayudha Pooja was celebrated in our college on 15th October, 2021 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, visualized as the goddess of knowledge and learning.
- An annual feature called Margazhi Mahotsav was organized in December 2021. 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.

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 The 75 th Independence Day was celebrated with Dr. C.Vennila, Prof. Electronics and Communication Engineering as the Chief Guest. b) ANTI CORRUPTION DAY Anti-Corruption Day was observed on 9 th December 2021. Heads of all the departments actively took part in administering the pledge. c) REPUBLIC DAY CELEBRATIONS The 73 rd Republic day was celebrated with Dr. M.Shanmugavalli, Professor, Instrumentation and Control Engineering as the chief guest. d) NSS ACTIVITIES ? Special talk on 04-04-2021 titled "COVID Vaccination: A Must" through Google Meet. ? A Voter Awareness programme on 05.04.2021. ? On 08.06.2021, our NSS unit came forward to donate Rs. 5000/- to NGO NEETHAN – Youth Organization, Pudukkottai. ? In association with Sri Sathiya Sai Seva Organization, Tamil Nadu, a programme titled "First Aid" on 12-06-21. ? In association with Vivekananda Yoga Centre, Srirangam, Tiruchirapalli, a Yoga Programme to mark the International Yoga Day on 21.06.21. ? FIT INDIA MOMENT on 22.08.2021. ? A "Visit to Rehabilitation Center – Anbalayam, Tiruchirapalli" on 29.08.21. ? In Connection with the NSS Day, a visit to an Old Age Home – Kangaroo Orphanage on 26-09-2021. ? In association with Mahatma Gandhi Memorial Hospital, a Blood Donation Camp on 28.09.2021. ? A camp for 6 days at Panchayat Union Primary School, Gandhi Nagar, Manikandam Union, from

02.11.2021 to 07.11.2021.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.saranathan.ac.in/IOAC/AOAR2022/C7_1_9_i.pdf
Any other relevant information	https://www.saranathan.ac.in/IOAC/AOAR2022/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. NATIONAL AND INTERNATIONAL COMMEMORATIVE DAY

- A lecture was organized on 04-04-2021 titled "COVID Vaccination: A Must",
- Voter Awareness programme was organized on 05.04.2021.
- On 08.06.2021, NSS unit donated Rs. 5000/- for an NGO

NEETHAN - Youth Organization, Pudukkottai.

- Our NSS Unit, conducted a programme titled "First Aid" on 12-06-21.
- On 21.06.2021, the International Yoga Day was celebrated with Yoga Programme in association with Vivekananda Yoga Centre, Tiruchirapalli.
- An event called FIT INDIA MOMENT was organised on 02.08.2021.
- The 75th Independence Day of our country was celebrated 15-08-21 with Dr.C.Vennila, Prof, Electronics and Communication Engineering as Chief Guest.
- Teachers Day was celebrated on 05.09.2021. Floral tributes were offered to Dr.Sarvepalli Radhakrishnan, former President of India.
- In Connection with the NSS Day, our NSS team visited an Old Age Home - Kangaroo Orphanage on 26-09-2021.
- Our NSS Unit organized a Blood Donation Camp on 28.09.2021.
- 73rd Republic day was celebrated on 26-01-2022. Dr.M.Shanmugavalli, Professor, Instrumentation and Control Engineering was the chief guest.
- National Mathematics Day was celebrated on 22.12.2021 with a quiz competition.
- National Science Day was celebrated on 28.02.2022, with an inter and intra collegiate competition, TECHXIBITZ 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:1 IMPLEMENTATION OD ERP (Sara portal)

An integrated platform is required for maintaining academic records of the students, academic activities of the departments

and for accessing them conveniently. Sara Portal has many features like Continuous assessment mark calculation, Internal Assessment Test Performance analysis, Attainment calculation, Mentor mentee Counselling report etc. The main features of this Portal are easy access from anywhere with role based access. SCE has not encountered any major problems in implementing the Intranet based Sara Portal.

BEST PRACTICES:2 Inculcate a Research Culture among Faculty and Students

SCE's aim is to provide an exposure to the world of research works in various engineering disciplines and to enhance the ability of the faculty and students to publish their research articles. The number of research publications in the indexed journals by the faculty members and students is motivated by the management to improve their quality of education. Research scholars have been awarded with the PhD Degrees through the AU recognized research centres by different departments. Scholars are pursuing research works in part time and full time mode under the supervision of our faculty members recognized as research guides by the affiliating university. These are the irrefutable evidence for the fact that the institutions efforts at creating grass-root research thinking are bearing fruit.

File Description	Documents
Best practices in the Institutional website	https://saranathan.ac.in/IQAC/AQAR2022/C7_2_1_i.pdf
Any other relevant information	https://www.saranathan.ac.in/IQAC/AQAR2022/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

SARANATHAN COLLEGE OF ENGINEERING stands apart from many other colleges by placing greater emphasis on professionalism by providing value-based education.

The unique and distinctive features of education at Saranathan includes,

- Transparent merit-based admission
- Soft skills training as an essential part of curriculum
- Effective student mentoring
- Frequent upgradation and creation of infrastructure
- Nurturing creativity and honing special skills through tie-ups with professional bodies
- Encouragement for participation and organisation of extra-curricular activities
- Recruitment of talented and skilled faculty
- Welfare schemes for faculty
- Promotion of research among faculty
- Focus on discipline and character with social consciousness among students
- Online financial transactions to ensure faith and transparency

Specific improvements and achievements during the year 2021-22 :-

- Bi-decennial block at an estimate of Rs.4.6 crores.
- Introduction of new UG programmes, B.Tech (AIDS) and B.Tech(CSBS)
- Upgradation of the centralised Computer Facility
- Addition of 556 books to our library bringing the total to 57,341 books.
- Our college team NEOSPARKER emerged as winners in Smart India Hackathon (SIH) 2022.
- Department of EEE received a financial grant of Rs.13,76,176/- towards "Modernization of Power Electronics Lab" from AICTE.
- TALENZIA 2022, an inter school competition for +1 and +2 students was organised in January 2022.

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

7.3.2 - Plan of action for the next academic year

1. Saranathan College of Engineering is planning to apply for autonomous status.
2. The institution is planning to increase the intake of the Artificial Intelligence and Data Science branch for the upcoming academic year 2022-2023.
3. In the academic year 2022-2023, the management plans to add

new courses such as branches on artificial intelligence and machine learning.

4. To expand the computer lab infrastructure and to provide better computing facilities to the students, the managements is planned to purchase 72 computers with higher configuration.
5. To set up additional internet connectivity, the institution plans to upgrade the internet speed and to purchase 10 routers, 10 L2 switches.
6. The organisation plans to purchase two high configuration computers and two printers for the new department.
7. To encourage faculty to organise faculty development programmes, a silver jubilee lecture series for students and staff are planned.
8. To fill the industry gap, the institution is proposing to conduct hackathons and codeathons among various department students.
9. Few departments are planning to organise intercollege symposiums at this institution.
10. The Chemistry Department submitted the proposal for the Research Lab, which encourages the research activities in this institution.
11. To develop the library infrastructure
 1. • Approximately 200 online journals are planned for all departments, including IEEE.
 2. • Around 30 ASME online journals for mechanical departments are planned.
 3. • Around 60 printed journals are planned to be purchased for all 9 departments and also for Science & Humanities.
 4. • For the MBA department, around 10 journals in each national and international category are planned for purchase.