Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SASURIE COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr.K.Pandiarajan, M.E., Ph.D.,**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04294243675**
Mobile no.	**9442593839**
Registered Email	**sceprincipal@sasurie.com**
Alternate Email	**info@sasurie.com**
Address	**Nadupatti, Vijayamangalam**
City/Town	**Tiruppur**
State/UT	**Tamil Nadu**
Pincode	**638056**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Mrs.P.Muruga Priya**
Phone no/Alternate Phone no.	**04294243675**
Mobile no.	**9442593815**
Registered Email	**sceiqac@sasurie.com**
Alternate Email	**sasurieqac@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://sasurieengg.com/wp-content/uploads/2023/09/18-19_AQAR.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sasurieengg.com/wp-content/uploads/2023/09/19-20_Academic-Calendar.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.20**	**2016**	**25-May-2016**	**24-May-2021**

6. Date of Establishment of IQAC	**04-Jun-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Conduct of VAC for all Branches	**06-Jul-2019** **6**	**627**
Conducted	**12-Jul-2019**	**158**

workshops/seminars on Intellectual Property Rights (IPR) programme	2	
Conducted workshops/seminars on entrepreneurship programme	02-Aug-2019 2	264
Conducted workshops/seminars on Research Methodology programme by Civil Department	26-Jul-2019 1	63
Conducted workshops/seminars on Research Methodology programme by CSE Department	29-Jul-2019 1	165
Conducted workshops/seminars on Research Methodology programme by EEE Department	05-Aug-2019 1	47
Conducted workshops/seminars on Research Methodology programme by ECE Department	09-Aug-2019 1	89
Conducted workshops/seminars on Research Methodology programme by Mech Department	12-Aug-2019 1	143
Conducted workshops/seminars on entrepreneurship programme by MBA Department	22-Aug-2019 1	21
Conducted capacity development and skills enhancement programme on Soft skills	15-Jul-2019 2	358

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2020	0

			0	
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• Submitted a proposal to the respected Management of the Institution to launch two new UG programs, B.E. Robotics and Automation and B.Tech. Artificial Intelligence and Data Science, beginning with the 2020-2021 academic year.

• Ensured a conducive environment in the Teaching and Learning process, IQAC organized a one-week FDP for all faculty members to adopt Outcome Based Education (OBE) to enrich the students' progress

• Initiated enriching the students' and faculty's knowledge by signing MoU with various industries and started to function their incubation Centre in our Institution's Campus.

• Motivated the faculty members to carry out consultancy and research project works to serve the people in society in a better way through their research contributions.

• Encouraged the faculty members to publish their work in the form of text/reference books, conference /book chapters, and research articles in reputable journals such as UGC Care, Scopus, and SCI, and received approval from the respected Management of the Institution to provide additional financial seed apart from regular financial assistance to motivate faculty members in enriching their research culture.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality

Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	30-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	List of Modules: 1. Students Database 2. Attendance 3. Marks Management 4. Hostel Students Database: Students Database contains the detailed information of every student like Reg. Number, Name, Address, Parents Information, Blood group, contact information, etc. Attendance: Hourly based attendance management system, through which reasons Can be mentioned for absentees and on duty Students. Bulk marking feature is embedded with append periods option, append period feature is useful for continuous hours like laboratory Sessions. Mark Management: Internal Assessment Marks, slip test marks, Model Examination marks can easily be managed through this module. Reports can be taken subsequently for all the mentioned assessments. Hostel: Attendance management of hostel Students managed by this module. Through marked Attendance Mess bill details can be calculated at the ease.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The curriculum and syllabus prescribed by Anna University and the objectives and outcomes of each course are disseminated among the students. Academic calendar based on the academic schedule is prepared and disseminated to students and teachers. In each semester, course allocation, time table preparation, course files are done in the beginning of the semester. Course files includes syllabus, lesson plan, notes of lesson, question bank, Programme Objectives and Outcomes, Course Objectives and Outcomes. Three centralized tests for theory courses and one model practical examination are conducted before Anna University Examination. Apart from teaching using board and chalk, teachers use LCD projector and Smart Board for effective teaching by projecting pictures and videos. Theory subjects requiring demonstration are handled in labs for better teaching and learning process. Seminars/Guest lectures are arranged for the better understanding of the course. Industrial visits are arranged for the students apart from permitting to attend In-Plant Training and Industrial Internship. Class committee meeting is conducted to monitor the progress of theory and laboratory courses in line with lesson plans.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Nil	Nil	01/07/2019	0	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil	01/07/2019
BE	CSE	01/07/2019
BE	EEE	01/07/2019
BE	ECE	01/07/2019
BE	Mech	01/07/2019
MBA	Nill	01/07/2019
ME	Applied Electronics	02/09/2019
ME	CSE	02/09/2019
ME	PED	02/09/2019
ME	VLSI Design	02/09/2019
Mtech	IT	02/09/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Building Information Modeling (BIM) for Civil Engineers	06/07/2019	36
Power System Analysis with Simulation Software	06/07/2019	38
Digital Signal Processing with MATLAB/Simulink	06/07/2019	64
Data Science and Big Data Analytics with Python and R	06/07/2019	162
Finite Element Analysis (FEA) with ANSYS or Abaqus	06/07/2019	98
Data Analytics and Business Intelligence using Tableau or Power BI	06/07/2019	22
Digital Marketing and Social Media Strategy	03/02/2020	21
Computational Fluid Dynamics (CFD) with OpenFOAM	04/01/2020	96
Cybersecurity and Ethical Hacking with Kali Linux	04/01/2020	159
Advanced Wireless Communication Systems with Software-Defined Radio (SDR)	04/01/2020	62
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil	39
BE	CSE	162
BE	EEE	36
BE	ECE	68
BE	Mech	96
MBA	MBA	24
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1.4 – Feedback System	

1.4.1 – Whether structured feedback received from all the stakeholders.	
Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

Students Response: The students are the backbone of the institution. There are certain parameters which have to be considered while obtaining students feedback. They are : • Content of the subject • Overall understanding of the subject • Applicability to real life situations • Facilities given to the students like ATM, Canteen, Library and lab etc.. • Transport facilities • Evaluation process Theory correlated with Practical, Availability of study material, Instilling Creativity, Recent Advances, Depth of course contents and Human/Social values, professional ethics addresses. Based on the feedback received from the Students, measures are taken in the areas that are to be improved. Parents Response: The parents are the important stakeholders of the institution. The parents must be satisfied with the work executed in the institution. The feedback is obtained in such a manner of how the parents meeting conducted. The fees structure, Infrastructure, Environment, faculty members approach and teaching method, Development activities given to the students etc. If there is any need for the improvement then they are concentrated. Faculty Response: Feedback from faculty members must be obtained for proper execution of the system. The feedback has to be obtained from external faculty members who come for various purpose to the institution such examiners, guest lecturers etc. They have to give about the difficulties in students handling and syllabus coverage. What is their perspective of understanding towards the institution. Alumni Response: The Alumni are the output of the institution. They are the brand ambassadors of the institution. They will be the important root cause for the development of the institution. They have to provide their part of view about the institution from where they are developed. Employers response: The feedback from the Employers plays a vital role in the development of the institution. They are the recruiters of our institution output. Their view on the students way of approach, their knowledge in the subject and the communication skill they developed will reflect the input given by the institution and faculty members.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil	60	4	2
BE	CSE	60	39	34
BE	EEE	60	8	5
BE	ECE	60	11	6
BE	Mech	60	12	9

MBA	Nill	60	31	25

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	56	25	23	123	146

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
146	146	78	39	39	64

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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student mentoring system is available in our institution. The total numbers of students of a particular department are divided by the number of the faculty members of the same department. Mostly 1: 4/5 ratio is attained. A student profile is maintained for each student. The profile consists of the personal Biodata entry, Semester marks entry and Achievements of the students entry that will be recorded for every semester. A counselling format is given where the mentor has to counsel the students four times a semester. This profile also includes the entry page for parents meeting. All the slip test and Internal marks has to be recorded in the profile. When a Student Profile is taken for a particular student all the details will be reflected. The same profile will be maintained for the four years and regular updating will be done. The Head of the department has to verify for each semester.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
467	146	1:3

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
146	146	0	0	6

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
No Data Entered/Not Applicable !!!
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Assessment of performance, being an integral part of teaching and learning process, our institution has adopted the CIE system to assess all aspects of a students development on a continuous basis throughout the year. The induction programmes at the onset of every semester /year are held addressing the new entrants. Teaching plan contains evaluation procedures. Academic calendar (university and college) with dates Gradual amendments in the evaluation process through tutorial meetings from Descriptive pattern > Short notes > Viva > MCQ Result analysis after every Internal Assessment Review meeting with Parents / Guardians are held at the onset of every new semester /year. Tutorial /Remedial classes are conducted for slow learners, absentees and the students who participate in sports, NSS, NCC etc.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institution prepares the Academic Calendar for every semester during the end of Even Semester. The Calendar includes number of working days. The weekly plan and monthly is mentioned in the calendar. The Principal with Head of department meetings and head of the department with faculty meeting will be conducted every Tuesday and Wednesday of the every week. The department programs, common programs and common holidays are mentioned. It also includes the day when the value added courses conducted, The Internal tests. Model exams, University Practicals and Theory exam dates are highlighted. The college last working day of the semester will be the end of Academic Calendar.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://sasurieengg.com/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Nil	BE	Mech	52	50	96.153
Nil	MBA	MBA	2	1	50
Nil	ME	CSE	1	1	100
Nil	Mtech	IT	1	1	100
Nil	BE	Civil	28	28	100
Nil	BE	CSE	51	50	98.039

Nil	BE	EEE	19	19	100
Nil	BE	ECE	37	37	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://sasurieengg.com/wp-content/uploads/2023/09/19-20_SSS.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Conducted workshops/seminars on Intellectual Property Rights (IPR) programme	Civil, CSE, EEE, ECE, Mech, MBA	12/07/2019
Conducted workshops/seminars on entrepreneurship programme	Civil, CSE, EEE, ECE, Mech, MBA	02/08/2019
Conducted workshops/seminars on Research Methodology programme by Civil Department	Civil	26/07/2019
Conducted workshops/seminars on Research Methodology programme by CSE Department	CSE	29/07/2019
Conducted workshops/seminars on Research Methodology programme by EEE Department	EEE	05/08/2019
Conducted workshops/seminars on Research Methodology programme by ECE Department	ECE	09/08/2019
Conducted	Mech	12/08/2019

workshops/seminars on Research Methodology programme by Mech Department		
Conducted workshops/seminars on entrepreneurship programme by MBA Department	MBA	22/08/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	2

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
No file uploaded.						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	0	146	0	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Environmental Conservation Initiatives	NSS	1	126
Blood Donation Drives	Red cross	1	78
Anti-Drug Awareness Campaigns	YRC	1	84
Tree Plantation Drives	NSS	1	117
Anti-Pollution Campaigns	NSS	1	104
Medical Check-Up Camps	Red cross	1	57
Cybersecurity Awareness	NSS	1	94
Organic Farming Initiatives	NSS	1	82
Road Safety Awareness	NSS	1	112
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
98	98

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Laboratories	Newly Added
Classrooms with LCD facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AUTO LIB	Fully	7.0	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1	41600	1	3500	2	45100
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	470	350	30	1	0	20	70	50	0
Added	0	0	0	0	0	0	0	50	0
Total	470	350	30	1	0	20	70	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
54	54	149	149

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory,

library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Laboratory Facilities: COMMUNICATION LABORATORY: Objectives To equip students of engineering and technology with effective speaking and listening skills in English. To help them develop their soft skills and personality traits, which will make the transition from college to workplace smoother and help them to excel in their jobs? To enhance students performance during placement interviews, Group Discussions and other recruitment exercises. Salient Features of the Lab A sophisticated and decorated lab with wooden wallpanel. Digital Hometheatre speaker systems Roof speakers with studio master and woofer. Head phone for each student. Networking of all systems with Teachers Console system. Monitoring and supervising the lab practical's by the lecturers in English. PHYSICS LABORATORY The Physics department has a well equipped laboratory, to provide an experimental foundation for theoretical concepts in the lectures. It is important that students have an opportunity to verify some of the ideas for themselves. We implement the upgraded syllabus of the Anna university practical oriented experiments. The well equipped electrical, thermal and diffracted pattern of following instruments is being used. • Meter bridge • Band gap • Thermal conductivitylee's disc • Spectrometer • Laser CHEMISTRY LABORATORY The Chemistry department has a well equipped laboratory, to provide an experimental foundation for theoretical concepts in the lectures. It is important that students have an opportunity to verify some of the ideas for themselves. Chemistry department has facilities for conducting analytical work, chemical investigation of water analysis like hardness, alkalinity dissolved oxygen, PH and analysis of metals. Instruments like • Flame photometer • Spectrophotometer • Potentiometer • PH meter • Conductivity meter etc., Class Room Facilities Technology needs to be integrated into teaching and learning process and the Institution has done the best to ensure it in these well equipped classrooms. Technology has been deployed for better studentteacher interaction, productivity and communication. It makes teaching and learning simpler and enjoyable. • Lecture Halls • Tutorial Rooms • Seminar Hall • Conference Hall Library Facilities: The library transactions are carried out by Bar code Technology. It has the facility of Web OPAC online search. So the library catalogue can be accessed through internet. The library is being subscribed to the Eresources. The library functions from 8:00 A.M. to 8:00 P.M. on all working days. Sports facilities: • The college provides varied extracurricular activities in Sports for training the students in Physical Education Gymnasium for both hostlers and dayscholars. • The college offers free admission for the students to practice sports and athletics in the nonworking days. • We offer regular and standard coaching for the students through qualified Physical Director qualified Physical Trainee team of faculties. Teaching AIDS White Board Green Glass Board Over Head Projector LCD Projector Display Charts Digital take Note

http://www.sasurieengg.com/images/Procedures.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management	402	8600000
Financial Support from Other Sources			
a) National	Govt.	430	12000000

b)International	Nill	Nill	Nill
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Conducted capacity development and skills enhancement programme on Soft skills	15/07/2019	385	1
Conducted capacity development and skills enhancement programme on Language and communication skills	26/09/2019	349	1
Conducted capacity development and skills enhancement programme on Life skills	28/08/2019	362	1
Conducted capacity development and skills enhancement programme on ICT skills	27/01/2020	324	1
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	God Father Scheme	26	460	2	187
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
On campus	187	187	Nill	Nill	Nill

No file uploaded.

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					

No file uploaded.

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports	State	264
Cultural	State	116

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student's Union (ARENA) of the college works for the benefit of the students throughout the year and pursues several activities within and outside the college campus. The major activities pursued by the Student's Union in 201819 are Cultural Activities: guide assist freshers ?To organize different cultural and social programs throughout the year To organize all outdoor and indoor sports competitions To maintain healthy relations between teaching, nonteaching staffs and students To take care of the academic interest of the students To publish annual magazine and wall magazines in due courses To assist in conducting all the academic tours and field works throughout the year The President of the student's union , according to the statute, may participate in the Governing Body meeting.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

 Yes

 The Alumni are the output of the institution. They are the brand ambassadors of the institution. They will be the important root cause for the development of the institution. They have to provide their part of view about the institution from where they are developed. Each department has a Alumni Faculty Coordinators who is an alumni of this institution if applicable. An overall Coordinator will be deputed to take care of all the activities conduct under this Association. Students Coordinators are nominated area wise. Any communication to be conveyed to them will be done through these coordinators. Each time an Alumni is brought to the campus to share his/her experience in this institution and their workplace. Regular meeting are conducted.

5.4.2 – No. of enrolled Alumni:

<div align="center">191</div>

5.4.3 – Alumni contribution during the year (in Rupees) :

<div align="center">No Data Entered/Not Applicable !!!</div>

5.4.4 – Meetings/activities organized by Alumni Association :

<div align="center">yearly meeting organized by Alumni Association</div>

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

 1. Internal Exams The internal exams were conducted on the decentralization basis. The coaching class before the commencement of the exams depends on the subject they are studying either theoretical an Analytical. The departments are given individuality to take their decisions for the conducting of their exams and coaching classes. 2. Department Programs : The Activities conducted for the students are based on their individuality . Their own departments can conduct their own programs depending on the requirement of the students' Seminars, workshops and Conference are based on the topics needed by the students.

6.1.2 – Does the institution have a Management Information System (MIS)?

<div align="center">Yes</div>

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The admission for undergraduate courses is on the basis of Tamil Nadu Engineering Admissions (TNEA) ranking and counseling. For the Post Graduate Programmes it is through TANCET. Admissions for Management Seats are through an Admission Committee constituted by Management. The Admissions are made in transparent and fair manner.

Industry Interaction / Collaboration	Do more number of Industry Interaction for the students, to getting funds (funded project) from the Industry /do the projects support from the Industry collaboration like, • Lakshmi Electricals • PANTECH Solutions •Sakthi Auto Components Pvt. Ltd • UTL Technologies • Shine Logics. • CCube Technologies
Human Resource Management	The institution has a mechanism of notification of regular posting and to conduct interviews. It recruits faculty members (both teaching and nonteaching) based on the guidelines provided by the university. Adequate number of qualified faculty members is appointed through the procedure of open advertisement and interview by expert committee. •The recruited faculty is deputed to undergo faculty development program to enhance the Teaching learning Process. •The faculty members are placed treated well and they work with entire job satisfaction in a conductive environment. •Various orientation programmes for both teaching and nonteaching faculty for upgrading their skills have been arranged. • The institution provides maternity leave for women faculty members. •Provisions are there for sabbaticals assistance to faculty members in continuous service of the institute, for pursuing higher studies, conducting research by spending time away from institute.
Library, ICT and Physical Infrastructure / Instrumentation	• Central Library has rich collection of text and reference books, journals, magazines, audio/video CDs, research reports, online journals, database analysis software, etc in all disciplines. • In 20192020, 524 no. of volumes have been purchased covering worth of 44823. Totally 103 national journals available on various subjects are available. All the students and faculty members have an access to the 250 ejournals, IEEE and Delnet. • The library facilities are accessible till late night on all days. Apart from this, the digital library with internet connection is made available till 7pm on all working days All departments submitted 3RPS and 5 STTPS for AICTE funding. Students are encouraged to develop many projects related to their area of interest. They are given the

	hands on training with the the software what they want to develop their projects. • SASURIE ELCOM SOLUTIONS (SES) : a startup training center has been established to provide the solutions for real world problems related to electronics and communication engineering, developing products as per the customer needs, providing appropriate solutions to the researchers and imparting the basic skills required for budding Engineers to face today's challenges in the competitive world.
Examination and Evaluation	Five cycles of Daily test are conducted before the internal exams. Two internal exams and one model exam is conducted before they appear for University Examinations. Two periods coaching is given before they write their internal examinations. Prepared a 2 Set of questions for each subject in Unit Test Key hints prepared for corresponding Questions by the corresponding subject faculty.
Teaching and Learning	• Black board, PPT, videos (NPTEL) presentation class was handled. • Animated Videos (Innovative Teaching Aids) during the class hours. • Used the real time working modes like that IOT Devices and Image Processing using Raspberry pi and Aurdino, Embedded system etc., • Students are given assignments based on the subjects they study. Mostly they are given a case • study for knowing advanced topics of the subjects.
Curriculum Development	Apart from the laboratories required for the curriculum, the following centers of excellence facility were established for imparting value added courses for the students. 1. Embedded Systems in association with UTL Technologies 2. Embedded Systems and IoT in association with Pantech Solutions Pvt Ltd 3. PCB Designing Manufacturing in association with Pantech Solutions Pvt Ltd 4. VLSI Design and Implementation using FPGA 5. Lab View in association with Ccube Technologies 6. Raspberry Pi Python Programming in IoT Platform in association with Pantech Solutions Pvt Ltd 7. Department of Electronics and Communication Engineering have been recognized as a Research Centre by Anna University with effect from 04.10.2017.

Content beyond the syllabus was handled in each subject during the class hours. Field visits was established for the relevant subjects.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Administration	Among the above areas of operation the Planning and Development, Administration, Student Admission and Support are brought under the egovernance. The Finance and Accounts , Examination are under manual governance. The above are maintained under an ERP Software Inspro Plus where all the entries and report generation are done only through this software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	84	84	Nill	84000
2020	62	62	Nill	62000
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NAAC Documentation Programme	Ms Office training programme	23/12/2019	27/12/2019	142	21
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
146	**146**	**21**	**21**

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
10	**10**	**5**

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal financial Audit is done by the Financial Committee and Governing Body. External financial Audit is done the professional experts nominated.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	**Yes**	**Anna University**	**Yes**	**IQAC**
Administrative	**Yes**	**CA**	**Yes**	**IQAC**

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

• One to one communication is done between parents and Class Teacher for the better improvement of the students and the parents come to about their ward. • SMS communication done for the parents in case if they are absent either informed or not informed. • The placed students are honoured in front of their parents celebrating as Achiever's day

6.5.3 – Development programmes for support staff (at least three)

• The supporting staff is taken for external Faculty development programmes on the topics such as stress management. • They are given training in the usage of computers with internet. • All type of online transactions which are considered to be important are given awareness to them.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

• Regular Audit is done for the proper maintenance of the records. • Faculty members and students are encouraged to join in many programs, seminars, workshops and conferences. • Various development initiative measures are taken on Admission of students for UG and PG. • Many funding projects are concentrated

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Academic and Administrative Audit	27/12/2019	30/12/2019	31/12/2019	146
2020	Academic and Administrative Audit	04/01/2021	07/01/2021	08/01/2021	146

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
No Data Entered/Not Applicable !!!				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The Institution is very conscious of its responsibilities to the environment. The Campus maintains a Clean and Green campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	25/01/2020	1	Voter's Day Awareness Rally	Social awareness program	105

| 2020 | 1 | 1 | 11/01/2020 | 1 | Road Safety Awareness Rally | Social awareness program | 96 |
| 2020 | 1 | 1 | 06/03/2020 | 1 | COVID-19 Awareness Programme | Social awareness program | 56 |

No file uploaded.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Service Rule Book	01/07/2019	Rules are strictly implemented and followed by all the students. Deviation if any, immediate action will be initiated against the delinquent. Rule Book is updated time to time based on the AICTE, Affiliating University, State/Central Government and Management Policies.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day Celebration	19/06/2019	19/06/2019	342

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The ERP system is implemented for most of documents purpose. The avoidance of the usage of plastics is insisted. The motor vehicles are permitted only up to certain limit to maintain air. Usage of recycling products encouraged. Women Development Cell provides sanitary pads of cotton which is easy disposable.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices – 1 1. Title of Practice: "Sasurie Programme for Academic, Research and Knowledge" showcase a score based innovative approaches and effective strategies thereby sharpening the knowledge of faculties and students. 2. Goals: • Main goal is student empowerment. • To prepare students to adapt to new skills and value that will be very essential in todays society. •To give technology enablement practice to students. • To make the students to take social initiatives. 3. The Practice: Faculty members and students are motivated to attend lot of seminars and workshops. After that, they shared their experience and knowledge about the program with their colleagues. Best Practices – 2 1. Title of Practice: Word of the day/News of the day 2. Goals: • Main aim is for faculty members and students empowerment. • To develop faculty members and students in their communication skills • To give updated information happening around them. • To make the students to learn new words and develop them in their usage of these words. 3. The Practice: • Every day a

word and news has to be prepared by the faculty • One week for a department • Within first two periods the faculty has to be prepare and circulate the hard copy to the notice boards of all departments • Students must study

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Education is the process of continuous growth and is lifelong. Educational Institutions should be the home and repository of fresh thoughts and new orientations. Whatever may be the transformation, it will be clear that education has two main aspects – the cultural aspects which make a person grow and, the production aspect which makes a person do things. These two aspects are not exclusive of each other. Education, science based and coherent with Indian culture and values, alone can provide the foundation for the nations security and welfare It is a matter of great pride and satisfaction that gives me great pleasure to announce that Sasurie Institutions are developing as centres of excellence for quality professional education, research and training.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

1. Applying for more government funds to serve the society. 2. New initiatives for the improvement of the Admission process. 3. Taking initiative for the students to clear all their arrears before completing their course. 4. Conduction of VAC with respect to recent trends in their discipline to bridge the curricular gap. 5. Encouraging students to undertake Internship/field work/project work/product development work 6. Encouraging students to participate in sports and cultural activities. 7. Motivating to apply and receive patents 8. Conducting many capacity-building and Skill enhancement programmes for the upliftment of the students. 9. Motivating the students to pursue their higher studies. 10. Guiding the students to appear for many competitive exams.