



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution	Arasu Engineering College
• Name of the Head of the institution	Dr. T. Balamurugan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04352777788
• Mobile No:	9443681418
• Registered e-mail	principal@aec.org.in
• Alternate e-mail	arasuengg@gmail.com
• Address	Chennai Main Road
• City/Town	Kumbakonam
• State/UT	Tamilnadu
• Pin Code	612501
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing

• Name of the Affiliating University		Anna University, Chennai			
• Name of the IQAC Coordinator		Dr. Kalaimani Shanmugham			
• Phone No.		9443421673			
• Alternate phone No.		04352777799			
• Mobile		9443421673			
• IQAC e-mail address		viceprincipal@aec.org.in			
• Alternate e-mail address		ksyazh@gmail.com			
3.Website address (Web link of the AQAR (Previous Academic Year)		https://aec.org.in/wp-content/uploads/2024/03/AQAR-2022-23.pdf			
4.Whether Academic Calendar prepared during the year?		Yes			
• if yes, whether it is uploaded in the Institutional website Web link:		https://aec.org.in/wp-content/uploads/2023/08/AcademicCalendar_UG_3_4_2023_24.pdf			
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.44	2018	16/08/2018	15/08/2023
6.Date of Establishment of IQAC			03/06/2013		
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
Electrical and Electronics Engineering	Research Promotion Scheme	AICTE	2022 -25	10,98,000
Mechanical Engineering	Research Promotion Scheme	AICTE	2022 - 25	3,28,333
Electronics and Communication Engineering	Research Promotion Scheme	AICTE	2022 - 25	9,49,333
Computer Science and Engineering	Niral Hackathon	TN Government	2023-2024	10000
Electrical and Electronics Engineering	Student Project Scheme	TNSCST	2023-2024	7500
Mechanical Engineering	Student Project Scheme	TNSCST	2023-2024	7500
Automobile Engineering	Student Project Sch	TNSCST	2023-2024	7500

8.Whether composition of IQAC as per latest NAAC guidelines	Yes	
• Upload latest notification of formation of IQAC	View File	
9.No. of IQAC meetings held during the year	4	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	

If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
If yes, mention the amount	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
1. Conducted FDP on "Awareness about Accreditation" on 29.07.2023 and the resource person was Dr.M.Madheswaran. Principal & Professor in ECE, Muthayammal Engineering College (Autonomous) 2. Conducted academic audit on 22.08.2023 3. Conducted academic audit on 01.09.2023 4. Conducted NBA evaluation as per the circular dated 24.08.2023 5. Conducted NBA evaluation as per the circular dated 09.10.2023 6. FDP on Role of Software Technology in Learning Management & Accreditation System on 20th Sep. 2023 7. Submitted the data for National Institution Ranking Framework '24 on 27.12.2023 8. Feedbacks were collected from Students, Alumni, Employer & Parents and Action Taken Report was prepared. 9. Annual Stock verification was completed on 28.05.2024	
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				
Conducting Industry oriented courses with more focus on employability and Innovation were planned to be conducted	Totally 19 courses each with 2 credits were conducted in odd semester and 13 courses were conducted in even semester.				
Improving placement with high average salary packages	163 students were successfully graduated out of which 157 students were placed with median salary of 2.4 Lakhs per annum				
Strengthening Entrepreneurship and Innovation Eco system at the campus	3 programmes were conducted through EDC, 8 programmes were conducted through Institution Innovation Council				
Creating research culture among faculty members and students and motivate them to publish their research work in UGC Care / Scopus / Web of Science indexed Journals	39 papers were published in various National/International Journals and 71 faculty members were presented papers in international conferences				
Motivating the faculty members to file patent for their original research work	35 patents were filed during the academic year				
Encouraging the students to do the innovative projects for the betterment of the society	1 innovative project was awarded by the NIRAL Hackathon and 3 projects were sponsored by TNSCST				
Enrollment and completion of Swayam NPTEL online courses	18 faculty and 14 students were cleared NPTEL exams				
13. Whether the AQAR was placed before statutory body?	Yes				
Name of the statutory body					
<table border="1"> <tr> <th>Name</th><th>Date of meeting(s)</th></tr> <tr> <td>Governing Council Meeting</td><td>03/07/2024</td></tr> </table>		Name	Date of meeting(s)	Governing Council Meeting	03/07/2024
Name	Date of meeting(s)				
Governing Council Meeting	03/07/2024				
14. Whether institutional data submitted to AISHE					

Year	Date of Submission
2023	06/03/2024

15. Multidisciplinary / interdisciplinary

Interdisciplinary approach is maintained in the curriculum, teaching learning and research activities in this institution. Within the curriculum, interdisciplinary approach is ensured in all programmes. For example, Environmental Science and Engineering is included for all courses. In Open elective course students can select subjects which are totally different from their main subjects. The subjects such as Disaster Management, Air Pollution and Control Engineering, Supply Chain Management, Hospital Management, Robotics, Renewable Energy Sources, Testing of Materials and Intellectual Property Rights are testimony to the multidisciplinary approach the college follows in academics. The Multidisciplinary projects carried out in various departments (CSE, ECE, EEE, Bio-Med and Mechanical) are examples for the Multidisciplinary knowledge sharing in the College. Integrated research and publication in EEE, CSE and Mechanical in Artificial Intelligence and Machine Learning have been facilitated in the college.

16. Academic bank of credits (ABC):

As per the UGC Notification on University Grants Commission Notification (28th July, 2021) "Academic Bank Account" means an individual account with the Academic Bank of Credits opened and operated by a student, to which all academic credits earned by the Student from course(s) of study are deposited, recognised, maintained, accumulated, transferred, validated or redeemed for the purposes of the award of degree / diploma / certificates etc. by an awarding institution. Academic Bank of Credits shall be established, on the lines of the National Academic Depository shall have a dynamic website providing all details of Academic Bank of Credits and its operational mechanism for the use of all stakeholders of higher education. Academic Bank of Credits is essentially a credit-based, and highly flexible, student centric facility. Our institution has been in the process of getting approval to apply for registration with Academic Bank of Credits from statutory authorities such as Governing Council, Academic Council and university authorities. Courses undergone by the students through the online modes through National Schemes like SWAYAM, NPTEL, V-Lab etc. or of any specified university, shall also be considered for credit transfer and credit accumulation.

17. Skill development:

Through Entrepreneurship development cell number of orientation programs were conducted to our students in order to make them as an efficient entrepreneur. Through the training and placement cell various employability skills such as interpersonal skills, communication skills, soft skills, technical skills and leadership skills are inculcated among the students. Through value added courses specific technical skills for implementation of the project are imparted.

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

Integration of Indian Language system : Our College has a system of promoting tamil language and its significance in various fields. Our College focuses on Heritage of Tamil and Tamil & Technology. Our college has separate cell called Tamil Perayam for promoting Tamil language. **Heritage of Tamil :**Tamil is the oldest among the world's languages. It has a long literary history. It is a language with literary genres suitable for all eras such as poetry, novels and drama. There is information about the traditions and cultures of the ancient Tamils, folk arts including Street Dramas/Skit, Karakattam, and Silambattam. The students are taught the life theories of ancient Tamils, the histories of Kings, the relevant archeological data, and the histories of Tamil Nadu freedom fighters. **Tamils and Technology :**In Tamil literature, the technological achievements of the ancient Tamil people are widely featured. The news about the weaving industry and pottery production of the people of that time are explained. Information about the architectural and technical knowledge of the ancient Tamil people, the characteristics of archaeological sites like Mamallapuram, Kanchipuram, Thanjavur etc. are presented to the students. **Tamil Perayam Club :**We give training in Yoga and regularly conduct Yoga competitions. Also give training in martial arts for promoting our culture and tradition of India. On behalf of Tamil Perayam, in association with Arasu FM 90.4, Arasu Engineering College Kumbakonam conducted a workshop on the title **KadhaisirukathaiMattrum Novel PayirchiPayilagam** on August 29, 2023. This programme was honoured by Mr. Ekadashi, famous cinesong Writer, Mr. Elakkiyan, a short story Writer, M.M. Deen, Novelist and Serugudi Senthil, founder of Vandal Ilakiya Mandram. The professors and students were participated and benefited from this workshop.

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

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

entire curriculum and teaching learning process of the college is focused towards programme outcome (POs), programme specific outcome (PSOs) and course outcome (COs). These outcomes are published in the college website and known to all aspiring students. The programme outcomes and programme specific outcomes are communicated to the students during orientation programmes. The course outcomes are made known to the students by respective teachers at the beginning of the course. These outcomes are evaluated through internal and external examinations, seminars, projects and participation of the students in different cocurricular activities. The programme outcomes to a great extent are reflected in the students' progression towards higher studies and placements. The levels of achievement of these outcomes are monitored at the various levels by DAC, IQAC and Department meetings.

20.Distance education/online education:

There is a perceptible change in the modes of the Teaching Learning all over the world and there is a significant shift from all class room teaching and Learning to partly classroom partly online Teaching-Learning. Our college has adopted online teaching and learning methodology such as flipped and blended mode of learning. Online platforms such as Zoom, Google Meet, Webex, Microsoft Teams, etc., were used to deliver the content to the students their by innovative teaching pedagogy was adapted. The video lectures, course material, Question banks ,Quiz, assignments are posted through google class room for enhancing the student learning ability. Professional development activities such as seminars, workshops and conferences are conducted through virtual mode.

Extended Profile

1.Programme

1.1 714

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

File Description	Documents
Data Template	View File

2.Student

2.1 1196

Number of students during the year

File Description	Documents
Data Template	View File

2.2 **534**

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 **321**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 **150**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 **03**

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1	714
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1196
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	534
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	321
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	150
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	03
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	51
Total number of Classrooms and Seminar halls	
4.2	892.6
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	500
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

The Institution is equipped with extensive action plan for the implementation of the Curriculum. Various Committees have been formed for effective implementation and monitoring of the Curriculum. Academic Calendar is prepared with details of the activities of the Academic Year. Subject allotment is done based on experience and performance of the faculty in previous years. Time table framed with provision for Value Added Courses, placement and training, tutorial and class test. Lesson Plan, Question Bank, Lab Manuals are planned in advance. The attendance and performance of the students are monitored by the Class advisors and HODs. Remedial classes are conducted for the slow learners after the college working hours.

NPTEL-E-learning through online Web is used by the faculty members. E-learning materials have been developed by our faculties for all the subjects to provide 24x7 learning Environment to our students through AEC Learning Management System. Monitoring of

course delivery and syllabus completion is done through class committee meetings, feedbacks and regular academic audits. Systematic examination process, standard question papers, proper and prompt evaluation and periodical dispatch of reports to parents. Guest lectures, seminars, Industrial visits and training programs are conducted to supplement the curricular inputs.

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

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

Academic calendar is prepared well in advance before the commencement of the classes. All the academic activities are planned and executed as per the academic calendar plan. Internal assessment exams are also scheduled and conducted as per the schedule. Assessment exams are scheduled as per the periodical entry in the web portal of Anna University. Activities such as class committee meetings, industrial visits, seminars, guest lectures and conferences are scheduled and executed. Academic calendar includes project reviews, parents meeting and association activities.

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

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

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

1.2 - Academic Flexibility

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

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

12

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

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

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

19

File Description	Documents
Any additional information	No File Uploaded
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

954

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs

during the year

954

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

As AEC is affiliated to Anna University, the curriculum defined by the university is followed. The prescribed curriculum effectively integrates issues relevant to gender, environment and sustainability, human values and professional ethics and leads to a strong value-based holistic development of students.

Gender Sensitivity: Gender related programmes are organised through Women Development Cell. Free counselling services are provided through a counselling Cell. WDC annually organizes seminars, conferences and guest lectures that help in gender sensitization.

Environment and Sustainability: The curriculum incorporates Environment Science and Engineering. The subject includes the students to know about water quality, air quality, education and healthcare, Sanitation and Waste Management, Renewable Energy and Green Technology.

Human Values and Professional Ethics: A course of one credit on human values "Professional Ethics and Human Values" is offered as open elective to all the students. In view of Social development activities like working in NGOs, organizing blood donation camps, health check-up camps, hygiene and health workshops, river cleanliness drive, workshops on social issues, public health, gender issues etc. As an integral part of student engagement in social activities during their programme of study, college also mandates all the students to enrol as NSS/NCC Volunteers.

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

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

19

File Description	Documents
Any additional information	No File Uploaded
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
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

424

File Description	Documents
Any additional information	No File Uploaded
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	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

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 sanctioned seats during the year

534

File Description	Documents
Any additional information	No File Uploaded
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

311

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

2.2 - Catering to Student Diversity

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

Methodologies to support bright students and slow learners

1. Students are categorized as bright student (Marks $\geq 65\%$) and Slow Learners (Marks $< 65\%$) based on their performance in Internal Assessment Tests and University examinations.

2. Special activities and additional programmes are conducted for bright students to make them cope up with growing trends and special coaching classes are conducted for slow learners in order to make them clear their examinations.

3. Bright students are focused by providing activities such as Soft skill training, Guiding for career planning, seminar on advanced topic, encouragement to present paper in the conference and to participate in symposium and Project EXPO. Rank holders and class toppers are motivated by recognizing them during graduation and annual days.

4. Care is taken by the faculties in monitoring the performance of slow learners, the students deviations from studies is observed by the respective faculty advisor and corrective measures are taken.

5. The faculties also go a step ahead and have periodic interaction with the parents about the performance of slow learners.

6. A motivation and responsibility from both parents and faculty will create a positive mindset and will help to overcome the inabilities and hurdles faced by the slow learners. Parents Teacher meetings are conducted in an effective manner.

7. The slow learners are focused by conducting remedial coaching

class and retest is conducted regularly.

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

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

Number of Students	Number of Teachers
1196	150

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

The teaching-learning process is one major objective and the strength of our college. Students are given a right blend of traditional and modern methods to make learning student-centric and a rewarding experience. Experiential learning, participative learning and problem solving methodologies are well adopted to ensure the holistic development of students and facilitate lifelong learning and knowledge management.

Participative learning

Flipped Classes, blended learning and model making methods are introduced for selected topics to enhance participative learning.

Experiential learning

Practical courses (laboratory) including virtual labs are made compulsory in the curriculum.

Different learning methods viz. problem-based, case-based, projectbased, inquiry based, computation-based, co-operative (work- or community-based) are implemented wherever feasible.

Students are encouraged to take up innovative projects and mini

projects.

Organization of exhibitions and open houses project on regular basis are a source of motivation for younger students of the college.

Using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Problem solving methodologies adopted are Giving assignments and quizzes at the end of instruction of each unit.

Case Study Analysis and Discussion.

Product Design and development.

Implementation of real time projects.

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

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

Effective content delivery by using ICT tools in the classroom for better understanding and reinforcement of the concepts and problemsolving is adopted by all the faculty of the institution. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience. The institution has the needed resources which include wide availability of computers in engineering departments and library with high-speed internet access. Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, casestudies, project-based-methods, experimental methods, flipped class room sessions etc.

The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. ICT components are embedded in the course contents of all relevant

engineering disciplines which include free /commercial software used for computation / simulation such as the use of MATLAB for solving differential equations and statistical analysis of experimental results in project works. Communication skills training facility is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing skills.

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

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

79

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

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

150

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

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

15

File Description	Documents
Any additional information	No File Uploaded
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

660

File Description	Documents
Any additional information	No File Uploaded
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.

As per the guidelines provided by the affiliating university the internal assessment of the students is done at regular interval and the evaluation process is completely transparent. In order to carry out the internal assessment of the students an internal examination (IE) cell was constituted. Based on the affiliating university guidelines, the internal assessment is done by conducting two assessment tests and one model examination as per the academic schedule given by the university. The IE cell prepares and disseminates the time table for conducting the tests. The question paper is collected from the individual staff members through the head of the department and on the day of examination the question papers will be distributed to the students and the writing of examination by the students will be monitored by the invigilators. The answer scripts are evaluated by the concerned staff member and after getting approval from the higher authorities the answer will be distributed to the students. The marks obtained by the students are recorded and entered in the university web portal for calculating the internal marks.

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

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

In our institution there is a well defined mechanism to deal with the internal examination related grievances if any in transparent, time-bound and efficient manner. The students may register their internal examination related grievances if any either with the internal examination cell, grievance redressal committee or directly with the Principal. Such complaints registered if any will be handled by a committee comprising senior faculty members constituted by the Principal for giving proper redressal to the complaints.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Yes. The programme outcome for the particular programme is clearly framed by the department in coordination with the norms of the affiliating university. The course outcome of all the courses of a particular programme is supplemented by the university along with the curriculum and syllabi. Both the programme outcome and course outcomes of all programmes offered by the institution are clearly stated and displayed on college website and communicated to both staff and students through various modes such as displaying in the form of hoardings in prominent places and mentioning in students' records, notebooks, staff work diary, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://aec.org.in/eee-co/
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

Attainment of Course Outcomes

The course outcome for all the courses in a particular semester is evaluated through Internal and University examinations.

Attainment is measured in terms of actual percentage of students getting set percentage of marks.

If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.

If targets are not achieved the program should put in place an action plan to attain the target in subsequent years

Attainment of Program Outcomes and Programme Specific Outcomes

. The programme outcome of a particular programme for a particular batch is evaluated every year through the number of students graduated and feedback from employers, Alumni and Academic peers.

Direct attainment level of a PO & PSO is determined by taking average across all courses addressing that PO and/or PSO.

Indirect attainment level of PO & PSO is determined based on the student Programme Exit survey, Employer survey, Alumni survey and Academic Peer survey.

PO & PSO Attainment level will be 80% of direct assessment + 20% of indirect assessment.

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

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

320

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	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://docs.google.com/forms/d/e/1FAIpQLSfB1tpBKm__jJ_qZlYFuB3R4ORqRZOg5uOWazonw8NTleaxmA/viewform

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research

projects / endowments in the institution during the year (INR in Lakhs)**3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****0.325**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year****4**

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year**3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year****14**

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

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

39

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

71

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

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

The institute promotes regular engagement of faculty, students and staff with neighborhood community for their holistic development and sustained community development through various activities.

Every Year, programme are organized under which students and staff participate voluntarily in community based activities with neighborhood.

Various awareness programs, workshops, rallies and road shows with themes like cleanliness, green environment & tree plantation, gender sensitization, traffic rule awareness, demonetization and digital payment, and empowerment of girls and women; and help acidattack survivors are organized.

Continuous voluntary activities by students to maintain cleanliness in and around the Campus, create awareness about the role of clean environment in human health and contribute to the National Swachh Bharat Abhiyan

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

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

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

09

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - 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

3.3.3.1 - 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

20

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 last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

3755

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

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

26

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

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

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
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.

The institution has adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc. Physical facilities and adequate infrastructure facilities are keys for effective and efficient conduct of the educational programmes. The other supportive facilities on the campus are developed to contribute to the effective ambience for curricular, extracurricular and administrative activities. Optimal deployment of infrastructure is ensured through conducting workshops/awareness programs/training programs for faculty on the use of new technology.

Library as a learning resource, holdings in terms of books, journals and other learning materials and technology-aided learning mechanisms for enabling the students to acquire information, knowledge and skills required for their study programmes. Automation of library using the ILMS, use of ejournals and books is providing remote access to e-resources in the library.

The institution adopts policies and strategies for adequate technology deployment and maintenance. The ICT facilities and other learning resources are adequately available in the institution. The staff and students have access to technology and information retrieval on current and relevant issues.

Regular maintenance of infrastructure is for making the effective utilisation of the facilities and also to promote them for the optimum use of the same.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://aec.org.in/infrastructure/#

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

Sports :

Sports and games help the students to improve their interpersonal relationship in healthy manner. Talented students are honored with medals, trophies and certificate. The department of Physical Education in the college is well equipped with various facilities in sports and games for indoor and outdoor also. The college has indoor game facilities as Chess, Carom, Table Tennis and Cricket ground, Volley ball court, Basketball court and Football ground as outdoor games.

Yoga :

The institute has dedicated space for Yoga and Meditation for improving mental and physical health of faculty and students. International Yoga day is celebrated every year by NSS

Gymnasium:

The institute has an in-house gymnasium facility which the faculty and students can avail. The gymnasium has facilities like treadmill, cycle, abdominal bench, Weights and Dumbbells.

Cultural:

Cultural activities are conducted on different occasions like first year induction, annual day, teacher's day and Womens Day. To bring out the inherent talent of the students, the college has started clubs like Tamil Perayam etc.. The institute also has an open-air lawn where students conduct these cultural programmes. There are sufficient seminar halls and an auditorium to conduct cultural activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aec.org.in/nss-yoga-acheivements-2020/

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

11

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

11

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
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 as a Learning Resource. The library holdings in terms of books, journals and other learning materials and technology-aided learning mechanisms which enable students to acquire information, knowledge and skills required for their study programmes. A recent development in the field due to availability of digital means, the functioning of the library has undergone a drastic change. Automation of library using the ILMS, use of e-journals and books, providing remote access to e-resources in the library have become a matter of necessity. Providing for these and such other developments as well as utilizing them well are important indicators of the quality of an academic institution.

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

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

File Description	Documents
Upload any additional information	No File Uploaded
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)

5.844

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

4.2.4 - 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

118

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

IT Infrastructure: The institution adopts policies and strategies for adequate technology deployment and maintenance. The ICT facilities and other learning resources are adequately available in the institution for academic and administrative purposes. The staff and students have access to technology and information retrieval on current and relevant issues. The institution deploys and employs ICTs for a range of activities.

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

4.3.2 - Number of Computers

500

File Description	Documents
Upload any additional information	View File
Student – computer ratio	No File Uploaded

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

File Description	Documents
Upload any additional Information	No File Uploaded
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)

382.28

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

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

Civil works like maintenance of building floors, walls and other furniture works are carried out time to time and log book register is maintained. Electrical maintenance work is carried out in all the departments as and when required. Calibration of instruments and equipments are carried out regularly depending upon the requirement by concerned department. They seek the assistance of external agencies in this respect, in addition to involving the

lab assistants for this work. Presently, the college buses are operated in different routes. We have separate hostels for Boys and Girls in the campus with all facilities. We are providing free 24 hour internet facility in hostel. Fully furnished dining hall with modern kitchen having seating capacity of 2000 students newly constructed is providing hygiene food to staff and students. A spacious playground is available in our campus in which daily practice is given to the students in outdoor games such as Ball Badminton, Tennis, Throw Ball, Cricket, Kabaddi, Hockey, Hand Ball, Foot ball, Volley Ball, Athletic events, etc. We train the students in indoor games such as Table Tennis, Badminton, Chess, Carom, etc. Our college has separate modern Multi Gyms for boy and girl students and staff usage

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1629

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

215

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

569

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

569

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

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

157

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

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****5**

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
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****0**

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

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.****80**

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
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)

Various committees are formed for the effective functioning of the academic activities. All the departments have a department student society, student chapters of various professional associations and various social clubs. The Head of the Department, staff and students of the respective departments in consultation with the Principal choose the office bearers. The College has various academic and administrative bodies that have student representatives. This representation helps them in their overall development. These bodies create more avenues for students to develop technical skill, updating knowledge, personality development and service to society through the following Societies/Associations. There are staff advisers to guide students in the smooth and efficient conduct of these activities. The various committees where the students are members such as Class Committee, Department Associations, Cultural Committee, Symposium/Conference Committee, Students (chapter/forum) Associations such as IEEE, ISTE, CSI, IE, SAI etc, Grievance Cell, Anti-ragging Committee, Sports Committee, NSS, YRC, RRC, Women Empowerment Cell, Grievances and Redressal committee, Tamil Perayam and GEO club.

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

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

200

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
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

Alumni Details: Year of Establishment 2008, Registration Number 49/2008, Date of Registration 31.10.2008, Name of the President Dr. T. Balamurugan, Name of the Vice President Dr. Kalaimani Shanmugham, Name of the Secretary Mr. M. Thiyagarajan, Name of the Treasurer Mr. R. Malarvannan, Date of the Last Meeting 17.05.2023.

Activities:

1. . A workshop on Role of Entrepreneur given by Mr.M.Thiyagarajan (EEE, 2006passed out) on 02.02.2024

. 2. Mr..Madan Kumar(EEE, 2010 passed out) Conducted a Value added Course on Embedded laboratory.

3.A Workshop on Outcome based Education given by Mr. Mr.M.Thiyagarajan (EEE, 2006 passed out) on 15.08.2023

.4. Mr. G.B. Sathishkumar (Mech , 2013 Passed out) delivered a Orientation talk to the freshers on 11.10.2023.

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

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

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The vision of the institution is to be a Centre of Excellence in Engineering, Technology and Management on par with International standards. The mission of the institution is to prepare the students with high professional skills and ethical values, to Impart knowledge through Best practices. Our college provides academic ambience through inspiration, fosters enthusiasm and motivation so as to realize challenging and rewarding career pathways to students. Our unwavering commitment to quality education and experiential learning ensures that our students develop the abilities for critical thinking and evaluation of issues; they are trained to translate concepts and theoretical knowledge into real time situations. Our affiliating University, Anna University Chennai is one of the leading technological universities in India. The program educational objectives, Program specific objectives and program outcomes are derived from the requirements of the National Board of accreditation. We follow Choice Based Credit System (CBCS) and there is vertical and horizontal mobility in the selection of electives based on the student's choice. The curriculum incorporates Lifelong learning skills as one of the graduate attributes by offering many courses with credits such as Engineering Ethics and Human Values.

File Description	Documents
Paste link for additional information	http://aec.org.in/vision-and-mission/
Upload any additional information	No File Uploaded

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

The academic activities of the Institute are managed by the Principal. The college has Governing Council, for its perspective, policy, financial planning and management, meeting twice or more in a year. The agenda focuses on comprehensive development and on continuous improvement for steady growth of the college. The Council monitors the formulation, programme implementation and evaluation, reforming with special reference to quality and standards of academic and industrial expectations. Based on the decision made in the Governing Council meeting, the Chairman extends valuable support to the Principal in order to implement the plans and policies of the College. The academic activities of the institution are managed by the Principal. The principal ensures, implements, and execute the quality policy and plans, he takes care of well planned academic activity that leads to the attainment of stated quality policy, Co-ordination with senior faculty members in improving the image building of the Institute, Enhancement of the reputation of the Institution, through various social welfare activities, placement activities initiated, Best functioning of Grievance and redressal committee through an effective feedback system, Inculcation of the social transformation through the activities of YRC, NSS etc. The entire department conducts National level Symposium, Workshops and Conferences organized by students as President, Vice President, Treasurer and other Volunteers

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college has prepared a Strategic Plan for the Academic year

2023 - 24 by taking into consideration the quality indicators determined by NAAC. In the preparation of the Strategic Plan, the Internal Quality Assurance Cell (IQAC) of the college has taken initiatives inputs from all stakeholders, their expectations, management policies and goals and objectives of the college are considered as a base for formulation of the Strategic plan. Regarding curricular aspects the following things are considered such as Appointment of Qualified Teachers, Conduct of Academic Audit, Strengthening of Existing Programmes, Use of ICT in Teaching Learning System, Seminars and Workshops, Deputation to Seminars and Workshops, Development of Linkages, Effective Communication of Curriculum Design and Development to Faculty, Feedback on Curriculum Regarding teaching-learning Process the following things are considered such as Innovations to be Introduced in Admission Process and Student Profile, Monitoring of Teaching-learning Process, Introduction of Specialty Programmes, Recording of Attendance, Recognition of Merits, Academic performance of students shall be recognized by organizing the felicitation, Catering to Diverse Needs, Supporting Academic Programmes and Policies Proportionate to Needs of Students, Encouragement to Students, Guest Lecture Series, Conduct of Revision and Interactive Sessions and Parent Meetings

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The college is managed by Sri ThirunavukkarasuDhanalakshmi Educational and Charitable Trust. The Secretary and Chairman were concerned with the implementation and operations of the academic and administrative aspects. The Principal governs the academic and administrative departments of the college. The Deans along with the HODs are in-charges of the academic activities of the Department. The teaching staff takes care of the academic activities with co-curricular and extra-curricular activities. The office administration includes accounts maintenance, hostels, are coming under manager administration. Organization structure of Arasu Engineering College is a decentralized type with Board of

Trustees on the top of decision making followed by Advisor/Correspondent and Principal. The administrations of the academic and non-academic activities are carried by various Cells and Committees formed and authorized in the governing council. Committees such as Sports Committee, Cultural committee, Library Advisory committee, Hostel Committee, Placement and Training, Anti Ragging and grievances redressal committees will include student representative thereby management wants the decision making is in the hands of the students. Recruitment cell is chaired by the Chairman along with Advisor, Principal, Vice Principal, Dean (academics) and HoDs and University Nominee to ensure transparency in the selection process.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://aec.org.in/organization-structure/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The college is implementing various schemes for the welfare of the teaching and non-teaching staff members. The staff members are encouraged and given financial assistance to pursue higher

education, to attend FDP in their field of interest, to attend and present research papers in National/International conferences, to publish research papers in refereed journals, to organize seminar, guest lecture, FDP for faculty members. Orientation programs are conducted for the newly recruited faculty members once in a year to enhance their teaching ability. Faculty members were appreciated and motivated for their performance by means of certificates and cash awards. The faculty members are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE by providing on duty. The faculty members were given on duty to attend or either participate as a resource person in the outside world. The Institution provides the following towards retaining and motivating the employees such as Conducive working environment without any pressure, EPF, Vacation for teaching and non teaching staff members every semester, 12 Days casual leave per year, 3 months maternity leave , Earned Leave and Medical Leave. The faculty members are appreciated with incentives, promotions and rewards.

File Description	Documents
Paste link for additional information	Nil
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

68

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

07

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
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

72

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

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

The Management, Principal and HoD's are involved in the review of

the performance appraisal report. Top management reviews the performance of the faculty's appraisal, which reflects in increment, incentive, allowances and promotions in turn this will be communicated to the respective members. Faculty members have been asked to fill the annual performance appraisal report every academic year. Appraisal based on the following criteria such as Experience and Contribution made in academic and administration, developmental activities, Research, Contribution to the placement, self-appraisal of the respective. Every year, faculty members have to submit a self appraisal form. This Performance Appraisal of the faculty is evaluated according to the split up of marks for his/her teaching methodologies, course delivery, correction of answer scripts, regularity in taking classes and uniform coverage of syllabus and etc., These points carries 90 marks out of 100. Performance appraisal reports give quantitative assessment of a teacher on three Key Result Areas namely, Teaching, Research and Service. The targets are set for each of the categories. The faculty members below the minimum target level are advised to attend Faculty Development Programmes inside or outside the college and opportunities are given for their improvement.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly 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

Once in year statutory audit is conducted by the professionals. Audit is done by Government recognized Chartered Accountant. Fee collected from students is the major source of the Institution. In addition management is funding for capital expenses like new building and major equipments required if any. The audited income and expenditure statement for all the previous years are available with accounts section of the college. There is fully computerized accounts department in the institute. Each and every transaction is supported by the vouchers. All the collections are in the bank and all expenditures, recurring and non-recurring, are incurred through cheques. Department heads prepare the budget proposal based on their requirements and submit to the management every academic year. The top management reviews

the budget proposals and approve accordingly. The purchase will be made strictly following the given budget proposal. Internal audit conducted by the internal auditor of the Institute. External audit conducted by the chartered accountant. At the end of every academic year stock of every department is verified by the team of faculty members from other departments who act as internal auditors.

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

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

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

1.79

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)	View File

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

Fee collected from students is the major source of the Institution. In addition management is funding for capital expenses like new building and major equipments required if any. The audited income and expenditure statement for all the previous years are available with accounts section of the college. Excess fund required for the development is contributed by the management. Optimal utilization of funds is ensured by allocating proper funds to the concerned areas. Stake holders from the respective departments are involved in the budgeting process.

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

6.5 - Internal Quality Assurance System

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

The IQAC Cell of the college works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new self-finance courses. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The main objectives are

1. To develop quality parameters for the activities of the college
2. To facilitate the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
3. To solicit, format and implement feedback/ suggestions from stake holders on quality related affairs.
4. To create quality consciousness among the stake holders especially students and both teaching and non-teaching faculty.
5. To document the steps taken and process implemented, leading to quality enhancement.
6. To act as a nodal agency to coordinate quality related activities in the campus.
7. To organize inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
8. To prepare annual quality assurance report (AQAR) for NAAC to be submitted at the end of each academic year.

File Description	Documents
Paste link for additional information	https://aec.org.in/IQAC/
Upload any additional information	No File Uploaded

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

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms Response: The IQAC proposes some procedures for enhancing the teaching learning process. Department heads allocate the subjects to the faculty members based on their specialization and potential. As per the Anna University curriculum teachers prepare the lesson plan and get it approved by heads. Students will be assessed by Terminal Tests and model examination accordingly and internal marks will be given to the students. Class committee meeting is held three times in a semester to reveal their results and to fulfill their grievances. Assignments, seminars and models are given to the students for exposure of their subjects. Finally course portfolio of the subject is submitted to the HOD which completes the teaching learning process of the semester.

File Description	Documents
Paste link for additional information	https://aec.org.in/IQAC/
Upload any additional information	No File Uploaded

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

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
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 cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, etc., well incorporated into the curriculum itself. The subjects such as Professional Ethics and Human Values, Environmental Science and Engineering are included in the curriculum as core subjects. The women empowerment cell in the Institution organizes programs regularly for girl students. There is no gender bias in the Institute. The College has formed an Anti-Ragging committee with the Principal as the convener. This committee effectively controls ragging, which is a violation of fundamental human rights and human values. At the beginning of every year, this committee forms an Anti-Ragging Squad for the control of ragging.

Women Empowerment Cell of our college is established to empower our women students and staff to make them understand and react suitable to the issues pertaining to women students. In addition to discussing their issues and concerns, the cell creates awareness of rights and responsibilities. The cell functions arduously to enhance their status and thereby empowers them intellectually and various awareness programmes are arranged under the auspices of this cell to empower women students.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://aec.org.in/waiting-hall/

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

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

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

The waste management system is effectively implemented in our college. The solid wastes are collected and disposed in a safe manner. So many people are employed to dispose the waste. The sweepers collect the wastes and dispose it. The solid wastes such as paper, and other materials are collected and disposed. The liquid waste management is done in a recycling process. The following are the measures taken by the college to make the campus eco-friendly; Energy conservation The energy conservation leads to the saving of electric power. The avoidable losses are quantified and the ways for reduction of these losses are identified and implemented. Rain Water harvesting All the buildings are equipped with rain water harvesting system to accumulate the rainwater, rather than allowing it to run off. It increases the ground water level significantly. The large number of trees planted throughout the campus plays a vital part in carbon neutrality.. We plant around 200 saplings every year and the whole college is surrounded by lush green trees.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

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

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

- 1.Restricted entry of automobiles
- 2.Use of Bicycles/ Battery powered vehicles
- 3.Pedestrian Friendly pathways
- 4.Ban on use of Plastic
- 5.landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

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

A. Any 4 or all of the above

3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

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

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

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

The institute is proactively taking efforts in providing an better environment. The initiatives are to promote better education,

economic upliftment of the needy and setting communal harmony. Unnat Bharat Abhiyaan (Under Ministry of HRD)-Adopted 4 villages in Kumbakonam region to conduct activities for their socioeconomic development. The UBA Cell of our college have implemented various projects for the benefit of the villagers. The College regularly organizes extension activities such DRUG AWARENESS PROGRAM, TOBACCO AWARENESS PROGRAM, and CANCER AWARENESS PROGRAM for the benefit of the society. Under Swachh Bharat activity our NSS students clean the nearby CAUVERY River and Temples. Arasu Community Radio station regularly organizes many programmes relevant to Health and Social Issues. Blood donation camp is annually organized at the College NSS and YRC cell where students, faculty and staff contributed voluntarily by donating blood for the noble cause of serving society and proudly adorn the badge of a blood donor. Kabasura Kudineer (anti-biotic drink) was distributed to the public through NSS.

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

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

The institution sensitizes the students and the employees to the constitutional obligations about values, rights, duties and responsibilities and constantly works upon to nurture them as better citizens of the country through various curricular and extra-curricular activities.

The college hoists the flag during national festivals and invites eminent persons to inspire students and staff by informing the qualities of freedom fighters and to emphasize the duties and responsibilities of citizens.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The college encourages participation of students in Sports and Games, NCC and NSS at National level to strengthen nationwide bond and relation. The college regularly organizes cleaning activity of Mahamagam tank under Swatch Bharath Scheme.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	No File Uploaded

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

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

The college is committed to promote ethics and values amongst students and faculty.

The college organizes National festivals as well as Anniversaries for the great Indian Personalities.

The following days are celebrated:

1. Teachers day (5th Sept) as birthday of great teacher Dr. Sarvapalli Radhakrishna

2. Engineers day(15th Sept) - The Birth anniversary of Sir M.Visvesvaraya the great Engineer of the country.

3. International Women's Day(8th March)

4. International Yoga day (21st June)

5. Independence day(15th August)

6. Republic day(26th Jan)

7. World environment day(5thJune)

8. NSS day(24th Sept)

9. World Students' Day (15th October)

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice 1:

Title of the Practice: Efficient implementation of course delivery for fostering effective knowledge transfer.

Goals

- To ensure that the faculty member, prepare adequate study material, presentation material, videos, software tools, lesson plan, question bank and get approved by HOD.

The Context

Appropriate steps are taken for continuous improvement which is

very essential.

The Practice

As the semester progresses, courses are delivered as per the lesson plan prepared. Periodically head of the department reviews the progress of the course delivery and ensure that the course delivery is in line with the lesson plan.

Evidence of Success

There is an overall improvement in the university results and placement of students with consistent pass percentage.

Best Practice 2 :

Title of the Practice : Project based learning

Goal

To enhance the innovative skills of the student

The Context

The contextual feature of this system is to make technically well equipped students by giving chance to learn and create the innovative projects.

The practice

Innovative projects are published in media and the device developed is introduced to the society.

Evidence of success

The students have undergone their academic project with full-fledged involvement and innovative ideas.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

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

Our institution is located in a rural area. Many of our students are from villages. Many students belong to first graduate category. Keeping this in mind, our college gives more importance to enhance the skills of the students to face the global challenges. Motivational programmes are conducted to make them aware of the society. Experts from all walks of life, Indian Police Service (IPS), Indian Administrative Service (IAS), Doctors, Environmentalists, Social activists, legal experts, business people, Human resource managers, sports personalities, and motivational speakers are invited and awareness programmes are conducted to enhance the skills of the students in all aspects to face the society with confidence. Moreover the students are encouraged to face the updated technological developments in the field of science and technology. Students are encouraged to publish their projects in media and proper guidance and support provided to them to apply project proposal in Tamilnadu State Council of Science and Technology.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The Institution is equipped with extensive action plan for the implementation of the Curriculum. Various Committees have been formed for effective implementation and monitoring of the Curriculum. Academic Calendar is prepared with details of the activities of the Academic Year. Subject allotment is done based on experience and performance of the faculty in previous years. Time table framed with provision for Value Added Courses, placement and training, tutorial and class test. Lesson Plan, Question Bank, Lab Manuals are planned in advance. The attendance and performance of the students are monitored by the Class advisors and HODs. Remedial classes are conducted for the slow learners after the college working hours.

NPTEL-E-learning through online Web is used by the faculty members. E-learning materials have been developed by our faculties for all the subjects to provide 24x7 learning Environment to our students through AEC Learning Management System. Monitoring of course delivery and syllabus completion is done through class committee meetings, feedbacks and regular academic audits. Systematic examination process, standard question papers, proper and prompt evaluation and periodical dispatch of reports to parents. Guest lectures, seminars, Industrial visits and training programs are conducted to supplement the curricular inputs.

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

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

Academic calendar is prepared well in advance before the commencement of the classes. All the academic activities are planned and executed as per the academic calendar plan.

Internal assessment exams are also scheduled and conducted as per the schedule. Assessment exams are scheduled as per the periodical entry in the web portal of Anna University. Activities such as class committee meetings, industrial visits, seminars, guest lectures and conferences are scheduled and executed. Academic calendar includes project reviews, parents meeting and association activities.

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

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

A. All of the above

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

1.2 - Academic Flexibility

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

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

12

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

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

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

19

File Description	Documents
Any additional information	No File Uploaded
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

954

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

954

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

As AEC is affiliated to Anna University, the curriculum defined by the university is followed. The prescribed curriculum

effectively integrates issues relevant to gender, environment and sustainability, human values and professional ethics and leads to a strong value-based holistic development of students.

Gender Sensitivity: Gender related programmes are organised through Women Development Cell. Free counselling services are provided through a counselling Cell. WDC annually organizes seminars, conferences and guest lectures that help in gender sensitization.

Environment and Sustainability: The curriculum incorporates Environment Science and Engineering. The subject includes the students to know about water quality, air quality, education and healthcare, Sanitation and Waste Management, Renewable Energy and Green Technology.

Human Values and Professional Ethics: A course of one credit on human values "Professional Ethics and Human Values" is offered as open elective to all the students. In view of Social development activities like working in NGOs, organizing blood donation camps, health check-up camps, hygiene and health workshops, river cleanliness drive, workshops on social issues, public health, gender issues etc. As an integral part of student engagement in social activities during their programme of study, college also mandates all the students to enrol as NSS/NCC Volunteers.

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

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

19

File Description	Documents
Any additional information	No File Uploaded
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
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

424

File Description	Documents
Any additional information	No File Uploaded
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	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

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 sanctioned seats during the year

534

File Description	Documents
Any additional information	No File Uploaded
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

311

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

2.2 - Catering to Student Diversity

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

Methodologies to support bright students and slow learners

1. Students are categorized as bright student (Marks $\geq 65\%$) and Slow Learners (Marks $< 65\%$) based on their performance in Internal Assessment Tests and University examinations.

2. Special activities and additional programmes are conducted for bright students to make them cope up with growing trends and special coaching classes are conducted for slow learners in order to make them clear their examinations.

3. Bright students are focused by providing activities such as Soft skill training, Guiding for career planning, seminar on advanced topic, encouragement to present paper in the conference and to participate in symposium and Project EXPO. Rank holders and class toppers are motivated by recognizing them during graduation and annual days.

4. Care is taken by the faculties in monitoring the performance of slow learners, the students deviations from studies is observed by the respective faculty advisor and corrective measures are taken.

5. The faculties also go a step ahead and have periodic interaction with the parents about the performance of slow learners.

6. A motivation and responsibility from both parents and faculty will create a positive mindset and will help to overcome the inabilities and hurdles faced by the slow learners. Parents Teacher meetings are conducted in an effective manner.

7. The slow learners are focused by conducting remedial coaching class and retest is conducted regularly.

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

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

Number of Students	Number of Teachers
1196	150

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

The teaching-learning process is one major objective and the strength of our college. Students are given a right blend of traditional and modern methods to make learning student-centric and a rewarding experience. Experiential learning, participative learning and problem solving methodologies are well adopted to ensure the holistic development of students and facilitate lifelong learning and knowledge management.

Participative learning

Flipped Classes, blended learning and model making methods are introduced for selected topics to enhance participative learning.

Experiential learning

Practical courses (laboratory) including virtual labs are made compulsory in the curriculum.

Different learning methods viz. problem-based, case-based, projectbased, inquiry based, computation-based, co-operative (work- or community-based) are implemented wherever feasible.

Students are encouraged to take up innovative projects and mini projects.

Organization of exhibitions and open houses project on regular basis are a source of motivation for younger students of the college.

Using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Problem solving methodologies adopted are Giving assignments and quizzes at the end of instruction of each unit.

Case Study Analysis and Discussion.

Product Design and development.

Implementation of real time projects.

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

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

Effective content delivery by using ICT tools in the classroom for better understanding and reinforcement of the concepts and problemsolving is adopted by all the faculty of the institution. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience. The institution has the needed resources which include wide availability of computers in engineering departments and library with high-speed internet access. Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, casestudies, project-based-methods, experimental methods, flipped class room sessions etc.

The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. ICT components are embedded in the course contents of all relevant engineering disciplines which include free /commercial software

used for computation / simulation such as the use of MATLAB for solving differential equations and statistical analysis of experimental results in project works. Communication skills training facility is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing skills.

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

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

79

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

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

150

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

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****15**

File Description	Documents
Any additional information	No File Uploaded
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****660**

File Description	Documents
Any additional information	No File Uploaded
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.

As per the guidelines provided by the affiliating university the internal assessment of the students is done at regular interval and the evaluation process is completely transparent. In order to carry out the internal assessment of the students an internal examination (IE) cell was constituted. Based on the affiliating university guidelines, the internal assessment is done by conducting two assessment tests and one model examination as per the academic schedule given by the university. The IE cell prepares and disseminates the time table for conducting the tests. The question paper is collected

from the individual staff members through the head of the department and on the day of examination the question papers will be distributed to the students and the writing of examination by the students will be monitored by the invigilators. The answer scripts are evaluated by the concerned staff member and after getting approval from the higher authorities the answer will be distributed to the students. The marks obtained by the students are recorded and entered in the university web portal for calculating the internal marks.

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

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

In our institution there is a well defined mechanism to deal with the internal examination related grievances if any in transparent, time-bound and efficient manner. The students may register their internal examination related grievances if any either with the internal examination cell, grievance redressal committee or directly with the Principal. Such complaints registered if any will be handled by a committee comprising senior faculty members constituted by the Principal for giving proper redressal to the complaints.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Yes. The programme outcome for the particular programme is clearly framed by the department in coordination with the norms of the affiliating university. The course outcome of all the courses of a particular programme is supplemented by the university along with the curriculum and syllabi. Both the programme outcome and course outcomes of all programmes offered by the institution are clearly stated and displayed on college

website and communicated to both staff and students through various modes such as displaying in the form of hoardings in prominent places and mentioning in students' records, notebooks, staff work diary, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://aec.org.in/eee-co/
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

Attainment of Course Outcomes

The course outcome for all the courses in a particular semester is evaluated through Internal and University examinations.

Attainment is measured in terms of actual percentage of students getting set percentage of marks.

If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.

If targets are not achieved the program should put in place an action plan to attain the target in subsequent years

Attainment of Program Outcomes and Programme Specific Outcomes

. The programme outcome of a particular programme for a particular batch is evaluated every year through the number of students graduated and feedback from employers, Alumni and Academic peers.

Direct attainment level of a PO & PSO is determined by taking average across all courses addressing that PO and/or PSO.

Indirect attainment level of PO & PSO is determined based on the student Programme Exit survey, Employer survey, Alumni survey and Academic Peer survey.

PO & PSO Attainment level will be 80% of direct assessment + 20% of indirect assessment.

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

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

320

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	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://docs.google.com/forms/d/e/1FAIpQLSfB1tpBKm__jJ_gZlYFuB3R4ORqRZ0g5uOWazonw8NTleaxmA/viewform

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

0.325

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

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

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

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

14

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards**3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year****39**

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year****71**

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities**3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year**

The institute promotes regular engagement of faculty, students and staff with neighborhood community for their holistic development and sustained community development through various activities. Every Year, programme are organized under which students and staff participate voluntarily in community based activities with neighborhood.

Various awareness programs, workshops, rallies and road shows with themes like cleanliness, green environment & tree plantation, gender sensitization, traffic rule awareness, demonetization and digital payment, and empowerment of girls

and women; and help acidattack survivors are organized.

Continuous voluntary activities by students to maintain cleanliness in and around the Campus, create awareness about the role of clean environment in human health and contribute to the National Swachh Bharat Abhiyan

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

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

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

09

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - 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

3.3.3.1 - 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

20

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 last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

3755

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

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

26

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

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

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
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.

The institution has adequate facilities for teaching - learning, viz., classrooms, laboratories, computing equipment, etc. Physical facilities and adequate infrastructure facilities are keys for effective and efficient conduct of the educational programmes. The other supportive facilities on the campus are developed to contribute to the effective ambience for curricular, extracurricular and administrative activities. Optimal deployment of infrastructure is ensured through conducting workshops/awareness programs/training programs for faculty on the use of new technology.

Library as a learning resource, holdings in terms of books, journals and other learning materials and technology-aided learning mechanisms for enabling the students to acquire information, knowledge and skills required for their study programmes. Automation of library using the ILMS, use of ejournals and books is providing remote access to e-resources in the library.

The institution adopts policies and strategies for adequate technology deployment and maintenance. The ICT facilities and other learning resources are adequately available in the institution. The staff and students have access to technology and information retrieval on current and relevant issues.

Regular maintenance of infrastructure is for making the effective utilisation of the facilities and also to promote them for the optimum use of the same.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://aec.org.in/infrastructure/#

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

Sports :

Sports and games help the students to improve their interpersonal relationship in healthy manner. Talented students are honored with medals, trophies and certificate. The department of Physical Education in the college is well equipped with various facilities in sports and games for indoor and outdoor also. The college has indoor game facilities as Chess, Carom, Table Tennis and Cricket ground, Volley ball court, Basketball court and Football ground as outdoor games.

Yoga :

The institute has dedicated space for Yoga and Meditation for improving mental and physical health of faculty and students. International Yoga day is celebrated every year by NSS

Gymnasium:

The institute has an in-house gymnasium facility which the faculty and students can avail. The gymnasium has facilities like treadmill, cycle, abdominal bench, Weights and Dumbbells.

Cultural:

Cultural activities are conducted on different occasions like first year induction, annual day, teacher's day and Womens Day. To bring out the inherent talent of the students, the college has started clubs like Tamil Perayam etc.. The institute also has an open-air lawn where students conduct these cultural programmes. There are sufficient seminar halls and an auditorium to conduct cultural activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aec.org.in/nss-yoga-acheivements-2020/

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

11

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

11

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
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 as a Learning Resource. The library holdings in terms of books, journals and other learning materials and technology-aided learning mechanisms which enable students to acquire information, knowledge and skills required for their study programmes. A recent development in the field due to availability of digital means, the functioning of the library has undergone a drastic change. Automation of library using the ILMS, use of e-journals and books, providing remote access to e-resources in the library have become a matter of necessity. Providing for these and such other developments as well as utilizing them well are important indicators of the quality of an academic institution.

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

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
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)**

5.844

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

4.2.4 - 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

118

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

IT Infrastructure: The institution adopts policies and strategies for adequate technology deployment and maintenance. The ICT facilities and other learning resources are adequately available in the institution for academic and administrative purposes. The staff and students have access to technology and information retrieval on current and relevant issues. The institution deploys and employs ICTs for a range of activities.

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

4.3.2 - Number of Computers

500

File Description	Documents
Upload any additional information	View File
Student – computer ratio	No File Uploaded

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

File Description	Documents
Upload any additional Information	No File Uploaded
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)****382.28**

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

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

Civil works like maintenance of building floors, walls and other furniture works are carried out time to time and log book register is maintained. Electrical maintenance work is carried out in all the departments as and when required. Calibration of instruments and equipments are carried out regularly depending

upon the requirement by concerned department. They seek the assistance of external agencies in this respect, in addition to involving the lab assistants for this work. Presently, the college buses are operated in different routes. We have separate hostels for Boys and Girls in the campus with all facilities. We are providing free 24 hour internet facility in hostel. Fully furnished dining hall with modern kitchen having seating capacity of 2000 students newly constructed is providing hygiene food to staff and students. A spacious playground is available in our campus in which daily practice is given to the students in outdoor games such as Ball Badminton, Tennis, Throw Ball, Cricket, Kabaddi, Hockey, Hand Ball, Foot ball, Volley Ball, Athletic events, etc. We train the students in indoor games such as Table Tennis, Badminton, Chess, Carom, etc. Our college has separate modern Multi Gyms for boy and girl students and staff usage

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1629

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

215

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefitted 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	Nil
Any additional information	No File Uploaded
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

569

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

569

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

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

157

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

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**

5

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
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**

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

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.**

80

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
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)

Various committees are formed for the effective functioning of the academic activities. All the departments have a department student society, student chapters of various professional associations and various social clubs. The Head of the Department, staff and students of the respective departments in consultation with the Principal choose the office bearers. The College has various academic and administrative bodies that have student representatives. This representation helps them in their overall development. These bodies create more avenues for students to develop technical skill, updating knowledge, personality development and service to society through the following Societies/Associations. There are staff advisers to guide students in the smooth and efficient conduct of these activities. The various committees where the students are members such as Class Committee, Department Associations, Cultural Committee, Symposium/Conference Committee, Students (chapter/forum) Associations such as IEEE, ISTE, CSI, IE, SAI etc, Grievance Cell, Anti-ragging Committee, Sports Committee, NSS, YRC, RRC, Women Empowerment Cell, Grievances and Redressal committee, Tamil Perayam and GEO club.

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

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

200

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
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

Alumni Details: Year of Establishment 2008, Registration Number 49/2008, Date of Registration 31.10.2008, Name of the President Dr. T. Balamurugan, Name of the Vice President Dr. Kalaimani Shanmugham, Name of the Secretary Mr. M. Thiyagarajan, Name of the Treasurer Mr. R. Malarvannan, Date of the Last Meeting 17.05.2023.

Activities:

1. . A workshop on Role of Entrepreneur given by Mr.M.Thiyagarajan (EEE, 2006passed out) on 02.02.2024

. 2. Mr..Madan Kumar(EEE, 2010 passed out) Conducted a Value added Course on Embedded laboratory.

3.A Workshop on Outcome based Education given by Mr. Mr.M.Thiyagarajan (EEE, 2006 passed out) on 15.08.2023

.4. Mr. G.B. Sathishkumar (Mech , 2013 Passed out) delivered a Orientation talk to the freshers on 11.10.2023.

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

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

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The vision of the institution is to be a Centre of Excellence in Engineering, Technology and Management on par with International standards The mission of the institution is to prepare the students with high professional skills and ethical values, to Impart knowledge through Best practices. Our college provides academic ambience through inspiration, fosters enthusiasm and motivation so as to realize challenging and rewarding career pathways to students. Our unwavering commitment to quality education and experiential learning ensures that our students develop the abilities for critical thinking and evaluation of issues; they are trained to translate concepts and theoretical knowledge into real time situations. Our affiliating University, Anna University Chennai is one of the leading technological universities in India. The program educational objectives, Program specific objectives and program outcomes are derived from the requirements of the National Board of accreditation. We follow Choice Based Credit System (CBCS) and there is vertical and horizontal mobility in the selection of electives based on the student's choice. The curriculum incorporates Lifelong learning skills as one of the graduate attributes by offering many courses with credits such as Engineering Ethics and Human Values.

File Description	Documents
Paste link for additional information	http://aec.org.in/vision-and-mission/
Upload any additional information	No File Uploaded

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

The academic activities of the Institute are managed by the Principal. The college has Governing Council, for its perspective, policy, financial planning and management, meeting twice or more in a year. The agenda focuses on comprehensive development and on continuous improvement for steady growth of the college. The Council monitors the formulation, programme implementation and evaluation, reforming with special reference to quality and standards of academic and industrial expectations. Based on the decision made in the Governing Council meeting, the Chairman extends valuable support to the Principal in order to implement the plans and policies of the College. The academic activities of the institution are managed by the Principal. The principal ensures, implements, and execute the quality policy and plans, he takes care of well planned academic activity that leads to the attainment of stated quality policy, Co-ordination with senior faculty members in improving the image building of the Institute, Enhancement of the reputation of the Institution, through various social welfare activities, placement activities initiated, Best functioning of Grievance and redressal committee through an effective feedback system, Inculcation of the social transformation through the activities of YRC, NSS etc. The entire department conducts National level Symposium, Workshops and Conferences organized by students as President, Vice President, Treasurer and other Volunteers

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college has prepared a Strategic Plan for the Academic year 2023 - 24 by taking into consideration the quality indicators determined by NAAC. In the preparation of the Strategic Plan, the Internal Quality Assurance Cell (IQAC) of the college has taken initiatives inputs from all stakeholders, their expectations, management policies and goals and objectives of the college are considered as a base for formulation of the Strategic plan. Regarding curricular aspects the following things are considered such as Appointment of Qualified Teachers, Conduct of Academic Audit, Strengthening of Existing Programmes, Use of ICT in Teaching Learning System, Seminars and Workshops, Deputation to Seminars and Workshops, Development of Linkages, Effective Communication of Curriculum Design and Development to Faculty, Feedback on Curriculum Regarding teaching-learning Process the following things are considered such as Innovations to be Introduced in Admission Process and Student Profile, Monitoring of Teaching-learning Process, Introduction of Specialty Programmes, Recording of Attendance, Recognition of Merits, Academic performance of students shall be recognized by organizing the felicitation, Catering to Diverse Needs, Supporting Academic Programmes and Policies Proportionate to Needs of Students, Encouragement to Students, Guest Lecture Series, Conduct of Revision and Interactive Sessions and Parent Meetings

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The college is managed by Sri Thirunavukkarasu Dhanalakshmi Educational and Charitable Trust. The Secretary and Chairman were concerned with the implementation and operations of the academic and administrative aspects. The Principal governs the academic and administrative departments of the college. The Deans along with the HODs are in-charges of the academic activities of the Department. The teaching staff takes care of the academic activities with co-curricular and extra-curricular activities. The office administration includes accounts

maintenance, hostels, are coming under manager administration. Organization structure of Arasu Engineering College is a decentralized type with Board of Trustees on the top of decision making followed by Advisor/Correspondent and Principal. The administrations of the academic and non-academic activities are carried by various Cells and Committees formed and authorized in the governing council. Committees such as Sports Committee, Cultural committee, Library Advisory committee, Hostel Committee, Placement and Training, Anti Ragging and grievances redressal committees will include student representative thereby management wants the decision making is in the hands of the students. Recruitment cell is chaired by the Chairman along with Advisor, Principal, Vice Principal, Dean (academics) and HoDs and University Nominee to ensure transparency in the selection process.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://aec.org.in/organization-structure/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The college is implementing various schemes for the welfare of the teaching and non teaching staff members. The staff members are encouraged and given financial assistance to pursue higher education, to attend FDP in their field of interest, to attend and present research papers in National/International conferences, to publish research papers in refereed journals, to organize seminar, guest lecture, FDP for faculty members. Orientation programs are conducted for the newly recruited faculty members once in a year to enhance their teaching ability. Faculty members were appreciated and motivated for their performance by means of certificates and cash awards. The faculty members are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE by providing on duty. The faculty members were given on duty to attend or either participate as a resource person in the outside world. The Institution provides the following towards retaining and motivating the employees such as Conducive working environment without any pressure, EPF, Vacation for teaching and non teaching staff members every semester, 12 Days casual leave per year, 3 months maternity leave , Earned Leave and Medical Leave. The faculty members are appreciated with incentives, promotions and rewards.

File Description	Documents
Paste link for additional information	Nil
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

68

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

07

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
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

72

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

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

The Management, Principal and HoD's are involved in the review of the performance appraisal report. Top management reviews the performance of the faculty's appraisal, which reflects in increment, incentive, allowances and promotions in turn this will be communicated to the respective members. Faculty members have been asked to fill the annual performance appraisal report every academic year. Appraisal based on the following criteria such as Experience and Contribution made in academic and administration, developmental activities, Research, Contribution to the placement, self-appraisal of the respective. Every year, faculty members have to submit a self appraisal form. This Performance Appraisal of the faculty is evaluated according to the split up of marks for his/her teaching methodologies, course delivery, correction of answer scripts, regularity in taking classes and uniform coverage of syllabus and etc., These points carries 90 marks out of 100. Performance appraisal reports give quantitative assessment of a teacher on three Key Result Areas namely, Teaching, Research and Service. The targets are set for each of the categories. The faculty members below the minimum target level are advised to attend Faculty Development Programmes inside or outside the college and opportunities are given for their improvement.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly 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

Once in year statutory audit is conducted by the professionals. Audit is done by Government recognized Chartered Accountant. Fee collected from students is the major source of the Institution. In addition management is funding for capital expenses like new building and major equipments required if any. The audited income and expenditure statement for all the previous years are available with accounts section of the college. There is fully computerized accounts department in the institute. Each and every transaction is supported by the vouchers. All the collections are in the bank and all expenditures, recurring and non-recurring, are incurred through cheques. Department heads prepare the budget proposal based on their requirements and submit to the management every academic year. The top management reviews the budget proposals and approve accordingly. The purchase will be made strictly following the given budget proposal. Internal audit conducted by the internal auditor of the Institute. External audit conducted by the chartered accountant. At the end of every academic year stock of every department is verified by the team of faculty members from other departments who act as internal auditors.

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

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

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

1.79

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)	View File

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

Fee collected from students is the major source of the Institution. In addition management is funding for capital expenses like new building and major equipments required if any. The audited income and expenditure statement for all the previous years are available with accounts section of the college. Excess fund required for the development is contributed by the management. Optimal utilization of funds is ensured by allocating proper funds to the concerned areas. Stake holders from the respective departments are involved in the budgeting process.

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

6.5 - Internal Quality Assurance System

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

The IQAC Cell of the college works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new self-finance courses. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The main objectives are

1. To develop quality parameters for the activities of the college
2. To facilitate the creation of a learner-centric

environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.

3. To solicit, format and implement feedback/ suggestions from stake holders on quality related affairs.

4. To create quality consciousness among the stake holders especially students and both teaching and non-teaching faculty.

5. To document the steps taken and process implemented, leading to quality enhancement.

6. To act as a nodal agency to coordinate quality related activities in the campus.

7. To organize inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles. 8. To prepare annual quality assurance report (AQAR) for NAAC to be submitted at the end of each academic year.

File Description	Documents
Paste link for additional information	https://aec.org.in/IQAC/
Upload any additional information	No File Uploaded

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

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms
 Response: The IQAC proposes some procedures for enhancing the teaching learning process. Department heads allocate the subjects to the faculty members based on their specialization and potential. As per the Anna University curriculum teachers prepare the lesson plan and get it approved by heads. Students will be assessed by Terminal Tests and model examination accordingly and internal marks will be given to the students. Class committee meeting is held three times in a semester to reveal their results and to fulfill their grievances. Assignments, seminars and models are given to the students for exposure of their subjects. Finally course portfolio of the

subject is submitted to the HOD which completes the teaching learning process of the semester.

File Description	Documents
Paste link for additional information	https://aec.org.in/IQAC/
Upload any additional information	No File Uploaded

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

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
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 cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, etc., well incorporated into the curriculum itself. The subjects such as Professional Ethics and Human Values, Environmental Science and Engineering are included in the curriculum as core subjects. The women empowerment cell in the Institution organizes programs

regularly for girl students. There is no gender bias in the Institute. The College has formed an Anti-Ragging committee with the Principal as the convener. This committee effectively controls ragging, which is a violation of fundamental human rights and human values. At the beginning of every year, this committee forms an Anti-Ragging Squad for the control of ragging.

Women Empowerment Cell of our college is established to empower our women students and staff to make them understand and react suitable to the issues pertaining to women students. In addition to discussing their issues and concerns, the cell creates awareness of rights and responsibilities. The cell functions arduously to enhance their status and thereby empowers them intellectually and various awareness programmes are arranged under the auspices of this cell to empower women students.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://aec.org.in/waiting-hall/

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

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

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

The waste management system is effectively implemented in our college. The solid wastes are collected and disposed in a safe manner. So many people are employed to dispose the waste. The sweepers collect the wastes and dispose it. The solid wastes such as paper, and other materials are collected and disposed. The liquid waste management is done in a recycling process. The following are the measures taken by the college to make the campus eco-friendly; Energy conservation The energy conservation leads to the saving of electric power. The avoidable losses are quantified and the ways for reduction of these losses are identified and implemented. Rain Water harvesting All the buildings are equipped with rain water harvesting system to accumulate the rainwater, rather than allowing it to run off. It increases the ground water level significantly. The large number of trees planted throughout the campus plays a vital part in carbon neutrality.. We plant around 200 saplings every year and the whole college is surrounded by lush green trees.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

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	No File Uploaded

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 with trees and plants	A. Any 4 or All of the above										
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Geo tagged photos / videos of the facilities</td><td>View File</td></tr> <tr> <td>Any other relevant documents</td><td>No File Uploaded</td></tr> </tbody> </table>	File Description	Documents	Geo tagged photos / videos of the facilities	View File	Any other relevant documents	No File Uploaded					
File Description	Documents										
Geo tagged photos / videos of the facilities	View File										
Any other relevant documents	No File Uploaded										
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution											
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above										
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Reports on environment and energy audits submitted by the auditing agency</td><td>No File Uploaded</td></tr> <tr> <td>Certification by the auditing agency</td><td>View File</td></tr> <tr> <td>Certificates of the awards received</td><td>No File Uploaded</td></tr> <tr> <td>Any other relevant information</td><td>No File Uploaded</td></tr> </tbody> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	No File Uploaded	Certification by the auditing agency	View File	Certificates of the awards received	No File Uploaded	Any other relevant information	No File Uploaded	
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Certification by the auditing agency	View File										
Certificates of the awards received	No File Uploaded										
Any other relevant information	No File Uploaded										
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	A. Any 4 or all of the above										

persons with disabilities (Divyangjan)
accessible website, screen-reading software,
mechanized equipment 5. Provision for
enquiry and information : Human
assistance, reader, scribe, soft copies of
reading material, screen reading

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

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

The institute is proactively taking efforts in providing an better environment. The initiatives are to promote better education, economic upliftment of the needy and setting communal harmony. Unnat Bharat Abhiyaan (Under Ministry of HRD)-Adopted 4 villages in Kumbakonam region to conduct activities for their socioeconomic development. The UBA Cell of our college have implemented various projects for the benefit of the villagers. The College regularly organizes extension activities such DRUG AWARENESS PROGRAM, TOBACCO AWARENESS PROGRAM, and CANCER AWARENESS PROGRAM for the benefit of the society. Under Swachh Bharat activity our NSS students clean the nearby CAUVERY River and Temples. Arasu Community Radio station regularly organizes many programmes relevant to Health and Social Issues. Blood donation camp is annually organized at the College NSS and YRC cell where students, faculty and staff contributed voluntarily by donating blood for the noble cause of serving society and proudly adorn the badge of a blood donor. Kabasura Kudineer (anti-biotic drink) was distributed to the public through NSS.

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

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

The institution sensitizes the students and the employees to the constitutional obligations about values, rights, duties and responsibilities and constantly works upon to nurture them as better citizens of the country through various curricular and extra-curricular activities.

The college hoists the flag during national festivals and invites eminent persons to inspire students and staff by informing the qualities of freedom fighters and to emphasize the duties and responsibilities of citizens.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The college encourages participation of students in Sports and Games, NCC and NSS at National level to strengthen nationwide bond and relation. The college regularly organizes cleaning activity of Mahamagam tank under Swatch Bharath Scheme.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	No File Uploaded

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

A. All of the above

programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

The college is committed to promote ethics and values amongst students and faculty.

The college organizes National festivals as well as Anniversaries for the great Indian Personalities.

The following days are celebrated:

1. Teachers day(5th Sept) as birthday of great teacher Dr.Sarvapalli Radhakrishanna

2. Engineers day(15th Sept) - The Birth anniversary of Sir M.Visvesvaraya the great Engineer of the country.

3. International Women's Day(8th March)

4. International Yoga day (21st June)

5. Independence day(15th August)

6. Republic day(26th Jan)

7. World environment day(5thJune)

8. NSS day(24th Sept)

9. World Students' Day (15th October)

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice 1:

Title of the Practice: Efficient implementation of course delivery for fostering effective knowledge transfer.

Goals

- To ensure that the faculty member, prepare adequate study material, presentation material, videos, software tools, lesson plan, question bank and get approved by HOD.

The Context

Appropriate steps are taken for continuous improvement which is very essential.

The Practice

As the semester progresses, courses are delivered as per the lesson plan prepared. Periodically head of the department reviews the progress of the course delivery and ensure that the course delivery is in line with the lesson plan.

Evidence of Success

There is an overall improvement in the university results and placement of students with consistent pass percentage.

Best Practice 2 :

Title of the Practice : Project based learning

Goal

To enhance the innovative skills of the student

The Context

The contextual feature of this system is to make technically well equipped students by giving chance to learn and create the innovative projects.

The practice

Innovative projects are published in media and the device developed is introduced to the society.

Evidence of success

The students have undergone their academic project with full-fledged involvement and innovative ideas.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

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

Our institution is located in a rural area. Many of our students are from villages. Many students belong to first graduate category. Keeping this in mind, our college gives more importance to enhance the skills of the students to face the global challenges. Motivational programmes are conducted to make them aware of the society. Experts from all walks of life, Indian Police Service (IPS), Indian Administrative Service (IAS), Doctors, Environmentalists, Social activists, legal experts, business people, Human resource managers, sports personalities, and motivational speakers are invited and awareness programmes are conducted to enhance the skills of the students in all aspects to face the society with confidence. Moreover the students are encouraged to face the updated technological developments in the field of science and

technology. Students are encouraged to publish their projects in media and proper guidance and support provided to them to apply project proposal in Tamilnadu State Council of Science and Technology.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To establish at least one industry supported laboratories and to sign at least two MoUs in each department.
2. To encourage the faculty members to attend NPTEL courses
3. To motivate the students to undergo Internship/In-plant Training
4. To encourage the students to carry out the societal related projects.
5. To submit the project proposal to various funding agencies.
6. To conduct more programs under Institution Innovation Council and promote Entrepreneur.
7. To encourage the faculty members to pursue higher studies.
8. To encourage the faculty members to publish paper in peer reviewed journals and file patents.