



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

AAA College of Engineering and Technology

- Name of the Head of the institution **Dr. M. Sekar**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **04562228863**
- Mobile No: **8124011542**
- Registered e-mail **principal@aaacet.ac.in**
- Alternate e-mail **sevugarajan@aaacet.ac.in**
- Address **AAA COLLEGE OF ENGINEERING AND TECHNOLOGY**
- City/Town **Kamarajar Educational Road, Amathur, Sivakasi**
- State/UT **Tamilnadu**
- Pin Code **626005**

2.Institutional status

- Affiliated / Constitution Colleges
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **ANNA UNIVERSITY**
- Name of the IQAC Coordinator **Dr. S. Sevugarajan**
- Phone No. **04562228883**
- Alternate phone No. **9944543385**
- Mobile **9113233427**
- IQAC e-mail address **iqac@aaacet.ac.in**
- Alternate e-mail address **sevugarajan@aaacet.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

https://www.aaaenggcoll.ac.in/wp-content/uploads/2022/08/AAACET_AQAR_2020-2021.pdf

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://www.aaaenggcoll.ac.in/regulation/#Schedules>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.15	2021	23/02/2021	22/02/2026

6. Date of Establishment of IQAC

02/06/2017

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
-	-	-	-	-

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 **2**

- 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 [View File](#)

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)

* Established National Instrument's Virtual Instrumentation Laboratory on 14 March 2022 to impart technical knowledge and hands-on training to the students and faculties in the field of Control Systems, design and development of various electronics subsystems and components.

* IQAC's continuous monitoring and evaluation process enabled AACET to get accredited by the National Assessment and Accreditation Council (NAAC) with a CGPA of 3.15.

* IQAC scrutinized the documents associated with the Self Assessment reports of CSE, ECE, Mechanical departments for accreditation by NBA and the same was submitted to NBA on 24 December 2022.

* Internship/Implant policy and Industrial Visit Policy has been implemented by the IQAC for providing quality internships/implant training and for guiding the departments in selecting the companies for industrial visit.

* IQAC has implemented 1) Google classroom audit to strengthen the quality of online teaching learning process and the quality of the study materials posted in the Google classrooms. 2) Proctor Card audit for the effective implementation of the mentoring system.

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
Planned to Establish National Instruments Virtual Instrumentation Laboratory	Established National Instruments Virtual Instrumentation Laboratory on 14 March 2022
Applied for accreditation by National Assessment and Accreditation Council (NAAC) at institutional level	Accredited by the National Assessment and Accreditation Council (NAAC) with a CGPA of 3.15.
Planned for applying NBA accreditation for CSE, ECE and Mechanical Engineering Departments	Submitted the pre-qualifier reports for the CSE, ECE and Mechanical Engineering Departments to NBA and the same has been approved by NBA on 27/10/2021.
Planned to implement policies for Industrial Visits and Internship/implant training	Effectively Implemented the policies for Industrial Visits and Internship/implant training from the cadmic year 2021-22
Planned to implement audit process for the online teaching learning platform- Google Classroom and an audit process for the proctor card for the effective implementation of the mentoring system.	Effectively implemented the Google Classroom audit and Proctor card audit.

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	29/12/2021

14. Whether institutional data submitted to AISHE

Part A

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• Designation	Principal
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6.Date of Establishment of IQAC			02/06/2017		
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Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
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<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Governing Council	29/12/2021
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2021-22	12/01/2023

15. Multidisciplinary / interdisciplinary

AAACET is affiliated to Anna University, Chennai. Being an affiliated college, course structure and the contents (Course curriculum) are designed by the parent university. The University adopted the CBCS pattern from the year 2017-18 onwards. As per the CBCS pattern, the University offers several multi-disciplinary and inter-disciplinary courses under Professional Electives (PE), Open Electives (OE) and Employability Enhancement Courses (EEC). Multi-Disciplinary/Inter-Disciplinary Courses such as Professional Ethics in Engineering, Environmental science and Engineering, Principles of Management, Intellectual Property rights are included as the professional Elective courses in the curriculum. Open Elective courses include the courses from other branches which a student can choose from the list specified in the curriculum. Employability Enhancement Courses (EEC) include Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training.

AAACET inculcates students with Multi-Disciplinary/Inter-Disciplinary skills through its various professional laboratories

1. E-Yantra Robotics Laboratory
2. Industrial Internet of Things (IIoT) Laboratory
3. Texas Instruments Innovation Laboratory
4. National Instruments LABVIEW Laboratory,
5. REDHAT laboratory and
6. Bosch Laboratory etc.,

Students are encouraged to carryout their final year projects in multi-disciplinary and societal issues by utilizing the professional laboratories available in the institute. Institute also has a well-equipped language laboratory for enhancing the communication skill amongst the students.

In addition to the curriculum, various clubs such as Eco and Nature Club, National Social services scheme, Youth Red Cross, Rotaract Club etc., are functioning in the institute that provides an opportunity in promoting multidisciplinary activities for students and faculty members through various events conducted.

MoUs with various reputed industries/Organizations and the presence of various professional chapters such as Computer Society of India, The Institution of Electronics and Telecommunication Engineers, ISHRAE and ICT academy provides holistic multidisciplinary education. Various seminars/workshops/symposiums are arranged regularly during every semester to promote multi-disciplinary/inter-disciplinary work culture in the institute.

AAACET is proactively working towards the implementation of the suggestions given in the NEP 2020. All the faculties and students are made to attend the various awareness programs on NEP by AICTE and the affiliated University. The NEP 2020 will be implemented based on the recommendations from the affiliated University.

Institute also has Vision/Plan of attaining autonomous status in future for effective implementation of NEP 2020, Academic Bank of Credits (ABC) and multidisciplinary flexible curriculum that enables multiple entry and exits at the end of 1st, 2nd and 3rd years of undergraduate education.

16.Academic bank of credits (ABC):

1. The ABC will be implemented based on the recommendations from the affiliated University.

17.Skill development:

The objective of AAACET is not only to promote students to obtain degree but also to prepare students become global citizens with self-confidence, positive attitude and motivation to face any challenge in their lives. The Institute keenly engages itself with various promotional activities to help the students emerge as notable professionals of the society and world-class technocrats.

As per the affiliating Anna University's CBCS pattern, Skill development courses are included into the curriculum from 2017 onwards. As per the CBCS pattern, the university offers several skill developments courses under Open Electives (OE) and Employability Enhancement Courses (EEC).

Following professional laboratories has been established in the institute for providing vocational and certification courses for enhancing the student's technical skills and their employment opportunities.

1. E-Yantra Robotics Laboratory
2. Industrial Internet of Things (IIoT) Laboratory
3. Texas Instruments Innovation Laboratory
4. National Instruments LABVIEW Laboratory
5. Bosch Laboratory
6. REDHAT laboratory

Also, various Vocational courses are conducted for students in the leading recent technologies where students need hand-on

experiences. Various MOUs has been signed with reputed industries for providing internships/implant training during their semester vacation.

As per the Anna University regulations 2017 and 2021, the institute offers courses related to Professional Ethics in Engineering and Human Rights to inculcate the various aspects of the human rights and the ethical standards that need to be followed in engineering practices. Our Institute celebrates all the national and international days to create awareness among the students about the importance of such occasion. The Institute organizes various events for faculty and students on the occasion of Constitution Day, Yoga Day, International Peace Day, Human Rights Day, world environment day etc., and also make them participate in awareness rallies such as Voters/election awareness, drug awareness, women's empowerment, road safety, food safety along with the institute's NSS, YRC and local administrative bodies.

Institute has well-established Placement cell and it conducts various personality development programs, aptitude training, communication skills training and other soft skills training. A well-equipped Language laboratory helps the students in improving their communication and listening skills. Weekly soft skills and aptitude training classes are integrated into the regular timetable.

A vibrant Institution Innovation Council (IIC) functions in the institute and plays a vital role in organizing various skill development events such as ideation event, technical paper presentations, seminars, workshops, start-up activities for both students and faculty members. Guest lectures and workshops by Eminent speakers/experts from reputed industries and academic institution are arranged by IIC throughout the academic year.

Entrepreneur Development Cell (EDC) conducts various activities related to the start-up and design and development of solutions for the societal needs.

AAACET is proactively working towards the implementation of the suggestions given in the NEP 2020. All the faculties and students are made to attend the various awareness programs on NEP by AICTE and the affiliated University. NEP 2020 will be effectively implemented based on the instructions and recommendations from the affiliated University.

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

With an aim to give impetus to local wisdom, culture and heritage, the affiliating Anna university has introduced courses in Tamil Culture and heritage for its Engineering students in its new regulation 2021. The courses, made mandatory by the varsity, would be taught in the first and second semester of the technical course. Two unique courses - Tamilar Marabu (Heritage of Tamils) and Tamils and Technology have been designed specifically for the purpose. The courses are designed with an aim to provide insight regarding the rich cultural heritage of the state. It would also focus on the engineering techniques that were practiced in Tamil Nadu's architectural marvels. These courses are taught in Tamil and the students have the option of writing the exams in either Tamil or English.

The syllabus is taught in the English language. The Institute does not teach degree courses in local languages as it runs all the programs and professional courses that are approved by statutory bodies. However, considering the students of the first semester, the faculty do make use of vernacular Language along with the English language for ease in learning the concepts.

The Institute conducts various cultural programs wherein various competitions like Poetry, Verses writing, Rangoli, Pottery, Painting/sculpting, Theater/ Skit, Literature, and Food are held through the various clubs.

As per the NEP2020, Universal human value (UHV) is taught to the students to make them a responsible and successful citizen in the society and to work for the welfare and the well-being of society at large. The students are counselled to develop professional competitiveness as well as ethics, human values, social responsibilities, and environmental consciousness. Students are also encouraged to participate in social activities and community services like Swachh Bharat Abhiyaan, village upliftment, etc.

Institute celebrates traditional festivals such as Pongal, Deepavali etc., Through the efforts of various Clubs, competitions are being regularly conducted in the regional language viz Tamil and English on the contemporary topics on environment, energy conservation, festivals, great leaders etc., as well as topics on the cultural and ethnic values of India.

The below-mentioned good practices are followed by the

departments:

- The online platform Google classrooms are implemented for all the courses where all the course materials are posted. This enables the students to understand the subject at a later time if he/she has missed the classroom lecture.
- ICT enabled learning through PowerPoint presentation, e-content, e-study materials.
- Student-centric learning methods like Role play, problem solving, Z-A approach, group discussions, Quiz, mind mapping are used by the faculty to enhance the students learning experience in the classroom.

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

AAACET has effectively implemented Outcome Based Education (OBE) across all the departments. The key aspects in OBE are the assessment and attainment of the course outcomes to the expected set level. Implementation of OBE requires the definition of Course Outcomes (CO's) for each course based on the Program Outcome (PO's) and Program Specific Outcomes (PSO's). Course is delivered as per the lesson plan and course outcomes are evaluated by means of various assessment tools - like internal assessment tests, assignments, various innovative assessment tools and university examination. The COs are assessed and evaluated for their set level of attainment at the end of each course for continuous improvements in course delivery.

The process for attaining Program Outcomes and Program Specific Outcomes are based on direct assessment and indirect assessment.

- Direct assessment
 - Continuous assessment tests,
 - Assignments based on Innovative teaching methods
 - End semester examinations.
- Indirect assessment
 - Alumni Survey
 - Program exit Survey

Calculation of the program outcomes attainment is based on 80% of direct assessment and 20% weightage is given to indirect assessment.

Apart from the Anna University Curriculum content, the students are imparted with necessary skills and knowledge in the topics that are identified as the curriculum gaps using the following

delivery methods aimed at achieving POs and PSOs.

- Lecture
- Tutorial
- NPTEL Videos
- Additional laboratory experiments
- Certification courses
- Industrial visits
- Guest lectures
- Workshops/Seminars
- Value added courses
- Vocational Courses

Google classrooms are created for all the subjects and by integrating Lecture Capturing Ssystem (LCS) into Google classroom, an interactive online lecture can be delivered similar to the classroom teaching. The lectures are recorded and posted in the Google classrooms so that students can view it whenever needed.

Online Learning initiatives.

Students are encouraged to undergo NPTEL and Coursera courses for enhancing their technical knowledge and their skill set. Our Institution is the SWAYAM local chapter for the NPTEL courses. Digital library in the institute subscribes to DELNET, NDL and NSDL portals to enable the students go through learning resources online.

As a good practice of the institution has effectively implemented Mentoring System pertaining to the Outcome based education (OBE) in view of NEP 2020.

1. Institute has an effective Mentoring System implemented in all the departments for guiding the fast learners and slow learners. Each faculty will be a mentor for twenty students and help the students in solving their academic and other difficulties by counselling them periodically. Mentoring is the process usually face-to-face between the teacher and the students for the transformation of knowledge, social and the psychosocial support to work or develop professional career.
2. Mentors encourage the students to participate in academic, research, co-curricular, extracurricular and social activities.
3. Mentors take special interest to help the students at

individual level for their holistic development in the growth of communication skills, personality development, leadership skills, soft skills, interpersonal skills etc.

20.Distance education/online education:

AAACET has implemented online education using the online digital platform Google Classroom (GCR). Google classroom practice gives the exposure about the technological revolution. Online teaching and learning make students more responsible for their own education. ICT helps students get ready by letting them explore, assess, share, and present information in a fairly organized way. The online platform Google classrooms is implemented for all the courses. Course instructor is responsible for creating/maintaining google classroom for the courses that they handle during a particular semester. Contents of the GCR are periodically audited by the HoD's and Senior faculty members. Course plan, text books, reference books, lecture materials, question bank, Assignments, Innovative Teaching methodology, Video lectures, and lab manuals are periodically uploaded in their respective google classroom which can be accessed by students to induce students self-learning ability. The absentees can access the classroom materials from home itself on their own convenience. As various evaluation tools such as assignments and Quiz are integrated in the google classroom, faculty post their task assigned for the students in the google classroom and the students submit the completed tasks in the google classroom for evaluation by the faculty.

AAACET has ICT facilitated classrooms and seminar halls. ICT facility available in the Institution includes lecture capturing systems, projectors, computers, white screen and wi-fi hotspot access points for providing an effective implementation of online teaching learning process. ICT facility makes the teaching learning process effective through animations, power point presentations and video lectures. Hence it creates interest in learning among the students and breaks the monotony of conventional classroom teaching by using chalk and black board. Lecture capturing systems are particularly useful for handling problematic courses as the step-by-step procedure for solving problems can be recorded and shared to the students. All the faculty members of the Institution make use ICT enabled tools to improve the teaching learning process.

Faculty use Lecture Capturing System (LCS) to record their lectures and for conducting interactive online classes. These

recorded videos are uploaded in the Google classroom for the benefit of the students who have not attended the classes are for later use by the students. LCS combined with the Google classroom provide an interactive environment similar to the classroom teaching. Students are encouraged to undergo NPTEL Courses and Coursera courses for enhancing their technical knowledge and their skill set. Our Institution is the SWAYAM local chapter for the NPTEL courses.

Digital Library

Sufficient number of journals, magazines and articles are subscribed at library related to various engineering disciplines and can be easily accessed by students online. AAACET's Digital library provides facility to access E-resources DELNET, NSDL and NDL via internet facility to access various e-resources like journals, e-books, videos, databases, magazines and conference proceedings. Final year students project reports are available in digital form as compact discs (CD) in the digital library. Students can access the e-resources available in the central library through the following URL:
<https://www.aaaengcoll.ac.in/aaacet-central-library>.

Extended Profile

1.Programme

1.1	406
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	263
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	330
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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 Number of outgoing/ final year students during the year		89
File Description		Documents
Data Template	View File	
3.Academic		
3.1 Number of full time teachers during the year		100
File Description		Documents
Data Template	View File	
3.2 Number of Sanctioned posts during the year		60
File Description		Documents
Data Template	View File	
4.Institution		
4.1 Total number of Classrooms and Seminar halls		34
4.2 Total expenditure excluding salary during the year (INR in lakhs)		199.59
4.3 Total number of computers on campus for academic purposes		407

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

AAACET is approved by AICTE and affiliated to Anna University. We impart quality technical education to the rural students following the curriculum and syllabus prescribed by Anna University.

Every academic year, institute academic calendar is prepared based on the Anna University schedule. The institution convenes academic council meeting in the month of June/November to discuss the gaps in curriculum and the academic activities that are planned to be conducted. Initiatives like value added courses and Add-on courses are planned in every semester to bridge the curriculum gaps. All the departments prepare their academic calendar including various academic activities planned for the semester based on the directions and decisions made by the academic council and institute's academic calendar.

Subject allocation is done by the HoD based on the skill matrix and parameters like experience, performance and preference of the faculty. The faculty prepares Lesson plan, Course Objectives/Outcomes, CO-PO mapping, study materials etc., The faculty members are permitted to use various innovative teaching methodologies to make teaching learning process effective.

The institution provides all necessary infrastructural facilities such as ICT tools, Lecture capturing systems, Language lab, Educational Software, text books, reference books, e-books, magazines and journals/e-journals etc.,

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_1/1.1.1_curriculum_delivery.pdf

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

The academic calendar is prepared in line with the university schedule and displayed on the college website after the approval of the academic council. The opening and closing dates of the

classes of each semester, list of holidays, co-curricular activities and internal assessment examination schedules for theory courses and model practical examination for laboratory courses are specified in the academic calendar.

The time table for theory and laboratory courses is prepared by the time table coordinators of various departments based on the subjects allocated to the faculty. Lesson plan for the allocated subjects is prepared by the faculty members based on the department academic calendar. The faculty plans the lecture topics according to the dates mentioned in the Lesson plan. The HODs monitor the day-to-day conduct of the theory and laboratory courses and the syllabus coverage based on the lesson plan and time table.

The institution strictly adheres to the academic calendar for conduct of continuous internal assessment examinations. Students are well informed about the time table for the conduct of internal assessment examinations. They are also informed about the schedule for entry of marks in the web portal of the Anna University.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_1/1.1.2_adherence.pdf

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

Academic council/BoS of Affiliating University

Setting of question papers for UG/PG programs

Design and Development of Curriculum for Add on/ certificate/ Diploma Courses

Assessment /evaluation process of the affiliating University

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

5

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

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

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

28

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

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

491

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

491

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

1.3 - Curriculum Enrichment

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

The institution provides a conducive environment to all our students. The cross-cutting issues relevant to Gender, Environment and sustainability, Human Rights and Professional Ethics etc., are addressed in the curriculum through regular and elective courses with the support of various cells and clubs.

Gender Equality

Women Empowerment Cell of our institution organizes events for creating awareness amongst the female students and women faculty members about their rights and human values of women. Women Grievances Committee in the institute conducts meeting periodically and interacts with girl students regarding problems on sexual harassment, eve teasing if any. Women Grievances Committee handles the issues confidentially.

Environment and Sustainability

Environment related courses are offered in the curriculum as regular and elective subjects. Various programmes such as plastic awareness, clean India and tree plantations are organized by NSS unit regularly.

Human Rights & Professional Ethics

As the part of the curriculum, the institution offers Human Rights and Professional Ethics in Engineering as an elective course for the students. Committees like SC/ST committee and Anti-Ragging committee in the institute deals ragging and harassment related issues. Our institution educates and motivates the students and faculty to follow ethical principles in academics, research and society.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

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

10

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

307

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	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)	View File
Any additional information(Upload)	View File

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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_1/1.4.1_Feedback_on_Curriculum.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

330

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC,

Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

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

263

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

2.2 - Catering to Student Diversity

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

The programmes and strategies adopted by our institution satisfy the needs of the students from diversified backgrounds and from different locales. After admission, the students are evaluated based on their HSC marks and performances in internal assessment examinations. A student securing less than 60% is categorized as a slow learner, otherwise he/she is categorized as an advanced learner.

Methodologies to encourage Advanced Learners

- Advanced learners are encouraged to undergo NPTEL/Certification courses to enrich their technical knowledge.
- They are provided with aptitude training, mock interviews, soft skills training for improving their confidence level and acquire job opportunities and career prospects abroad.
- They are motivated to undertake research projects and participate in symposia, seminars, workshops and conferences organized by reputed organizations/institutions.

Methodologies to improve the performance of slow learners

- Slow learners are encouraged and counselled for improving their performance in academics.
- Simplified study materials, coaching classes after class hours and improvement tests are conducted to improve their academic performance in internal assessment examinations.
- Tutorial classes for problematic courses are conducted to improve the problem-solving ability of the slow learners. It

also promotes peer learning among the students.

File Description	Documents
Link for additional Information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.2.1_After_Test_Learning_Levels.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
713	100

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

AAACET has adopted different learning methodologies such as experiential learning, participative learning and problem solving to create interest in learning process among the students.

Experiential Learning

Industrial visits, field visits and hands-on trainings by industrial experts are arranged for the students to make them conversant with the recent technology trends followed in the industries and to prepare them as industry-ready engineers. Vocational/certificate courses and value-added courses are also conducted for the students to enhance their technical skills and employment opportunities. Students are encouraged to undergo internships/in-plant trainings for obtaining industrial experience. With a variety of laboratory courses, the students get a better understanding of the theoretical concepts taught in class.

Participative Learning

Students are encouraged to learn through reciprocal teaching,

participation in group discussions, seminars, role plays and NPTEL courses for better understanding of concepts/technologies. They are encouraged to participate in symposiums, intra/inter collegiate events, seminars, guest lectures and contests to bringout the potential of the students.

Problem Solving Methodologies

The mini and major project courses enable the students to identify problems and use research-based knowledge to arrive at optimum solutions. In case of problem-oriented subjects, tutorial classes are conducted where students improve their problem-solving abilities.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.3.1_Student_centric_method.pdf

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

Adoption of innovation and creativity is an integral part of the teaching-learning process in our college and it helps us in achieving academic excellence. ICT facility makes the teaching learning process effective through animations, power point presentations and video lectures. ICT supported teaching learning processes are being practiced by all the faculty during their course delivery through google classrooms supported with various innovative teaching methodologies.

All the classrooms, laboratory, seminar halls and auditorium are ICT enabled. Entire campus is Wi-Fi enabled to provide seamless internet connectivity inside the campus. ICT facilities available in the Institution includes lecture capturing systems, projectors, computers, white screen and wi-fi hotspot access points. Lecture capturing systems enables the faculty to create a virtual classroom environment.

Digital library provides access to various learning resources such as, DELNET, NSDL and Shodhganga. Through these digital platforms students can access e-books, Journals, magazines and databases

etc., AACET is a SWAYAM regional local chapter for NPTEL courses and recorded videos of NPTEL courses are available for faculty and students in the multimedia section of our digital library. AACET in association with COURSERA offers online certification courses for faculty and student.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.3.2 ICT Tools.pdf

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

40

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

2.4 - Teacher Profile and Quality

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

100

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

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

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

33

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

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

2.4.3.1 - Total experience of full-time teachers

301

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

2.5 - Evaluation Process and Reforms

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

- Internal assessment tests are conducted by the institute's exam cell as per the academic calendar. The time tables, seating arrangements for internal tests are informed through circulars and displayed in notice boards well in advance.
- Once the examinations are conducted, the answer scripts of students are evaluated by concerned course instructor and distributed to the students. Answers to all the questions given in the examinations are discussed with students during the distribution of answer scripts. The system is made transparent by providing the scheme of evaluation and answer key to the students so that they verify the marks awarded

and understand their mistakes committed by them in the examination. Grievances in the evaluation process made by the students are addressed and modifications of marks are carried out, if necessary. Answer scripts are verified by the HoD to ensure that there is no discrepancy in the evaluation.

- The internal test marks of the students are disseminated in the notice board to ensure transparency.
- The internal assessment and end semester examination marks are communicated to the parents through post and SMS.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aaaengcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.5.1 Mechanism of internal assessment.pdf

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

- Every grievance at Institution level is addressed instantly by the concerned authorities. Students express their grievances related to the internal assessment examination process to the HoD or during the class committee which is convened at regular intervals. The HoD/Principal takes appropriate actions to solve the grievances of the students as early as possible.
- Internal assessment question paper is checked by the concerned faculty on the day of examination and if any discrepancies are found, they are rectified and communicated to the students immediately. During internal examinations, visits to examination halls are made by the examination cell coordinator and by internal squad members to monitor the students during the examinations.
- The end semester examinations are conducted according to the rules and regulations of the Anna University. The grievances if any, related to the end semester examinations are reported by the Principal to the controller of examinations of the Anna University. The grievances of the students related to the evaluation in the end semester examination

are addressed by applying for reevaluation. If the student is not satisfied with the reevaluation results published by the Anna University, he/she can apply for review/challenge evaluation by paying the prescribed fees.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.5.2_Examination_related_grievances.pdf

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.

Course Outcomes (COs) are narrower statements that describe what students are expected to know and be able to do at the end of each course. COs are framed by the course instructors in consultation with the HoD. COs are quantitatively assessed through various innovative teaching methods and are mapped to the program outcomes (POs) and program specific outcomes (PSOs) with levels of emphasis being strongly correlated (3), moderately correlated (2) and slightly correlated (1). Therefore, attainment of the COs provides direct quantitative evidence to that POs and PSOs are attained.

The POs and PSOs are disseminated to faculty, students and other stakeholders through institute/department newsletters, magazines, institute/department events/meetings, lab manuals and course files etc. It is also displayed in the HOD's room, faculty room, department/classroom notice boards, laboratories, main corridors, auditorium/seminar halls and institute website.

The COs are disseminated to students through discussions in the classroom. COs are displayed in the classroom notice boards and are included in course file and online classrooms. COs are included in the exam question papers, so that students will be aware of the COs covered in the examinations. It also helps to assess the students and finally in the calculation of CO attainments.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.6.1_Dissemination.pdf
Upload COs for all courses (exemplars from Glossary)	View File

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

Assessment gives essential information about the learning and the extent of teaching goals met. Attainment of COs and POs indicate the successful delivery of the course content. Attainment of COs are assessed by considering 1) 20% of Internal Assessments Marks and 2) 80% of end semester university examination marks/Grades.

The internal assessment mark for the theory courses is the average of marks scored in internal tests, assignments and assessments pertaining to innovative teaching learning methods. For laboratory courses, average mark of records and one model practical examination is considered. The internal examination marks for project work are evaluated by conducting three project reviews. Grade points are given by the Anna university in the end semester examinations based on the students' performance. Average attainment for all POs and PSOs for all the courses in a program is calculated by mapping COs with POs and PSOs.

Attainment of CO, POs and PSOs are assessed by considering:

1. Direct Attainment

i. Internal Assessments Mark

ii. End Semester Marks/Grades

2. Indirect Attainment

i. Students Exit Survey

ii. Alumni Survey

Final COs, POs and PSOs attainment is calculated by considering

80% of direct and 20% of indirect attainment levels.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.6.2_CO_PO_Attainment.pdf

2.6.3 - Pass percentage of Students during the year

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

88

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.aaaenggcoll.ac.in/wp-content/uploads/2023/05/ANNUAL_DAY_REPORT-2021-2022.pdf

2.7 - Student Satisfaction Survey

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

https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.7.1_Online_Student_Satisfaction_Survey_Report.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

1,55,450

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

3.1.2 - Number of 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	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.aaaenggcoll.ac.in/about-us/

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

80

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

3.2 - 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

13

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

3.2.2 - 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

64

File Description	Documents
Any additional information	View File
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

AAACET participates in the college-neighborhood community development by conducting regular activities through its NSS unit coordinated by faculty and students.

The vision of our college NSS Unit is to build the youth with the mind and spirit to serve society and work for the social upliftment of our nation as a movement.

The NSS Unit & Rotary Club of our institution conduct frequent events such as Blood Donation Camps, COVID-19 prevention and vaccination camp, meditation program, environment awareness program, tree plantations, voter identity registration, election

awareness program, Fit India program, etc., Paying tribute to India's freedom fighters like Gandhiji Birthday celebration are also being conducted for the benefit of college students. The students are provided enough opportunities to spread societal awareness and serve their surroundings.

The extension activities are informed through circulars, emails, and website notifications. The students cheerfully come forward and participate in the activities for the welfare of society.

The impacts of extension activities conducted by the institute are visible through reduced usage of plastics, increased voting, and increased awareness about health and the environment. The number of students participating in the institute activities also increased considerably.

File Description	Documents
Paste link for additional information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_3/3.3.1_Extension_Activities_2021-2022.pdf
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

6

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

3.3.3 - 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

21

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

520

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

3.4 - 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

308

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

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

35

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

ACADEMIC FACILITIES :

AAA College of Engineering and technology has several academic facilities such as 27 ventilated, spacious classrooms with green color chalk boards and LCD and Internet facility, 45 laboratories, 2 workshop, 6 seminar halls with seating capacity of 120 students, 1 auditorium with 800 students capacity, 4 drawing halls, 1 library with digital library facility and 1 board room.

TEACHING LEARNING FACILITIES :

In our institution, there are 395 desktop computers, 11 laptops, 32 projectors and accessories, 3 scanners, 130 CCTV cameras, 9 servers, 27 printers, 2 CD writers, and 1 computer center.

ADDITIONAL INFRASTRUCTURE :

Generator with a capacity of 705 KVA and Entire campus is 24 hour networked with a band width of 100 Mbps, about 55 Wi-Fi points spread over the entire campus including hostels. Medical facilities and 11 Buses are available in the campus. AACET has

been organizing blood donation camps, free eye camps, General medical camp, and social awareness programs. Canteen, Reprography, SBI ATM facility, RO water, Sewage Treatment Plant, Red Hat Academy, BOSCH lab, TEXAS Lab, IIoT Lab, E-Yantra Lab, National Instruments Lab, Security guards, Separate waiting room and hostel for Girls and Boys are available in our campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_4/4.1.1_Physical_Facilities.pdf

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

AAA College of Engineering and Technology encourages students to participate in various extra-curricular activities and provides both indoor and outdoor facilities to take care of physical well-being of students and faculties.

The institute has a total area of 16,800 sq. meters of playground which houses basketball (800 Sq.Mts), ball badminton (576 Sq.Mts), football (10800 Sq.Mts), cricket (14000 Sq.Mts), kho-kho (324 Sq.Mts), Kabaddi (260 Sq.Mts), handball (1388 Sq.Mts), volleyball (896 Sq. Mts). Our students have bagged good winning records at intercollegiate and Zonal levels.

For all-round development of the students, there is fully equipped gym/fitness zone containing all modern equipment. Gym has a range of equipment's like dumb bells, Steering plates, Biceps Steering plates, skipping ropes. The other equipment includes double bar, Back Hyper Extension, Fore Arm Extension, Leverage squat/calf raise machine, Bicep cart, fore Arm extension, Pull up stand, Bench press, Abs machine etc.,

The institution boasts of huge, commodious and fully air-conditioned Auditorium having a seating capacity of 800 people is available for conducting cultural events/activities and cocurricular activities. Students perform variety of cultural

events during the Annual day every year.

The Yoga classes are conducted for students regularly through Physical Education classes. Yoga day is organized every year.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.1.2_Facilities_Sports.pdf

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

34

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

34

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.1.3 ICT Enabled Facilities.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

47.28447

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

4.2 - Library as a Learning Resource

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

Library is automated using ROVAN, Integrated Library Management System (ILMS). It helps to manage the library resources and serve the students and faculty effectively.

Name of ILMS software : ROVAN

Nature of automation (fully or partially) : Fully Automated

Version : 5.1 Java

Year of Automation : 2017

ROVAN ILMS has the following modules:

1. Database Management-Cataloging

This module allows to create/update/edit and maintain the following databases.

? Books, Journals, magazines, thesis, Conference Proceedings, etc.

? CDs, Video/Audio tapes,

? E-Books -Digital Content

? e-JOURNAL

2. Search (Online Public Access Catalogue)

- Simple Search: To search the database using accession number, call number, author, title, year, publisher,

Keywords etc.,

- **Advanced Query Builder:** To search the database by specific keywords and Boolean operators in the search.

3. Circulation Management-Transaction

This module is designed for all types of counter transactions such as:

? Issue/Renewal/Return

? Overdue receipt/No-due certificate

4. Report Management

This module is designed to generate and print reports such as list of books/journals/publishers, library usage etc.,

5. System Administration

This module allows to:

- Create/remove user log-in, password and grant rights to access various
- Set overdue charges
- Back-up, export and import of data
- Generate charts

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.2.1_Photo_Proof.pdf

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

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

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

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

3.88404

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

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

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

49

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

4.3 - IT Infrastructure

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

Introduction:

Institution has various IT facilities like Computers, Wi-Fi Hot Spots, Projectors, Internet and e-Governance Software, ILMS-ROVAN and Server, as per AICTE Norms. The following is a brief account

of the above.

(a) Computers:

Institution updates and upgrades the computer facilities as per the requirement and intake of the students periodically. All the computers are interconnected through wireless network using switches. The institution is equipped with a sum of 407 number of computers which comprises of 15 numbers of thin client , 98 numbers of N - Computing , 106 numbers of i3 processor,136 numbers of i5 processor and 56 numbers of Pentium processor.

(b) Internet Facility:

Wifi Connectivity in the institution was initialized only to departments and office premises. The entire campus including boy's hostel, girl's hostel, administrative block and placement cell were connected with the high speed Wifi facilities which sums up to a total of 55 Wifi hotspots in the institution. The Institutional Data Centre is periodically updated with DHCP, DNS, Firewall Server, Storage Server, Ubuntu Server, Communication Server, Firewall, Cisco 3800 series router and Network Video Recorder.

Bandwidth 100 Mbps is available.

(c) Projectors : 32 number of projectors were available in the campus.

(d) Other facilities: The College imparts the trending technologies like AWS, Autodesk Fusion - 360 and Revit for sharpening the skills of the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.3.1_IT_Facilities.pdf

4.3.2 - Number of Computers

407

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

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

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

4.4 - Maintenance of Campus Infrastructure

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

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

39.54

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

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

AAA College of Engineering and Technology has established systems and procedures for maintaining both physical and academic supporting facilities and its utilization. Internal maintenance/complaint register is maintained for various maintenance activities in the institution. The required minor maintenance/service works are carried out by the institute technicians. Major repair work, are outsourced to concerned

engineering experts. Major institute maintenance/service works include, maintenance of classroom and staff table and chairs, laboratory work benches, lights, fans, , water pumps, transports, lifts, UPS, Power Generators, RO and STP Plant, campus cleanliness, toilet cleaning process and uninterrupted water supply. Well experienced IT team maintains the computers, software's, printers, photocopier, WIFI and LAN.

Utilization registers maintained for various academic and physical facilities. Institutes sports amenities and its utilization are maintained by physical director and maintenance/utilization of institute physical amenities such as transports, auditorium, seminar halls, RO and STP plants, lifts, sound systems, power generators and other infrastructure facilities are administered by administrative officer. Librarian takes care of purchase, maintenance and utilization of library resources.

Stock, service and utilization registers are maintained in all laboratories and audits are conducted by stock verification committee. First aid kits and fire extinguishers in the laboratories are serviced regularly and well-maintained.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.4.2_Maintaining_Utilizing_Support_Facilities.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

783

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

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

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

589

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

A. All of the above

File Description	Documents
Link to institutional website	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_5/5.1.3_Skill_Enhancement_Initiatives.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

899

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

899

File Description	Documents
Any additional information	View File
Number of students benefitted 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	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

84

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

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

5.2.2.1 - Number of outgoing student progression to higher education

3

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

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

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

government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/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.**

17

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

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

AAA College of Engineering and Technology focuses on improving students' academic and administrative skills by involving them in various administrative and academic activities. The college allows the students to be members in administration by including student representatives in IQAC, grievances and redressal committee, academic committee and the alumni association. Student representatives are also included in the organization of placement, sports activities, women's empowerment cell, and anti-ragging committee.

The students participate as members in various cell and clubs in the college such as National Service Scheme, Rotaract club, Youth Red Cross club, Sports/Fine arts club, Eco Club, and Entrepreneurship Development Cell. Further, the students are included as members of the college newsletter editorial board. The college also encourages students' participation in various center activities such as IIoT, MoE's Institute Innovation Council, Texas Instruments Innovation Lab and e-Yantra robotics lab. Students actively participate in the academic activities organized by various departments through various professional chapters of the institute.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_5/5.3.2_Student_Representation.pdf
Upload any additional information	View File

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

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

363

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

5.4 - Alumni Engagement

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

The alumnus plays a significant role in strengthening our

institution, aims at the budding engineers to be a job giver than to be a job seeker. The main objective is to enrol all alumni as members of the association and facilitating active participation of the alumni in the appropriate activities, events, and initiatives of the Institute. The alumni meet is conducted once in a year, where the alumni from different branches of the undergraduate programs share their views and give suggestions for the betterment of their junior students & institution/department. Such meetings are mutually beneficial both for the Institution and to the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge, and insights.

The alumni visit the institution to deliver Guest lectures and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from the alumnus are invited to talk on their success stories on various occasions of the Institute. They also assist the students for placement in public/private sectors and the regular alumni association meetings pave the way for the successful placements of the students.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/alumni/
Upload any additional information	View File

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

VISION

- **Emerge as a Premier Institute for Quality Technical Education and Research with social responsibilities.**

MISSION

- To offer state of the art infrastructure for under graduate, postgraduate and doctoral programs.
 - To provide holistic learning ambience blended with professional ethics, leadership qualities and social responsibilities.
 - To disseminate knowledge and undertake research in field of Engineering and Technology.
 - To inculcate innovation and creativity among student community to become successful entrepreneurs.
 - To undertake collaborative projects with academic, research centres and industries to provide cost-effective solutions.
- AAACET was established in the year 2013 by Panjurajan-Amaravathy Trust with a goal of imparting quality technical education to rural students. Our institution constantly endeavors excellence in technical education through sound pedagogical methods, state-of-the-art facilities and well qualified faculty to produce top-notch professionals with enduring human and ethical values. The institute is governed by the Governing Council consisting of management, Principal, faculty representative, eminent academic and industry experts. Institute has various committees consisting of internal and external stakeholders for the implementation of its strategic plans in achieving academic excellence. A well-established organizational structure ensures smooth flow of work and communication across all levels for the effective implementation of strategic-plans.

File Description	Documents
Paste link for additional information	https://www.aaaenggccoll.ac.in/
Upload any additional information	View File

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

- AAACET has an efficient decentralized administration functioning under the guidance of the Governing Council and by following the rules and regulations of statutory bodies. The college empowers institutional hierarchy at all levels

authorizing stakeholders to participate in the decision making at their respective levels.

- The administration constitutes councils and committees consisting of Management, Principal, HoDs, faculties, Staffs, students, alumni's and various other stakeholders to carry out various academic, co-curricular and extracurricular activities.
- Feedbacks are collected from various stakeholders and necessary actions are taken as continuous improvement process.
- Examinations are de-centralized and conducted by Examination Cell.
- The Placement and Training cell functions with a Placement director/officer along with department placement coordinators.

Preparation of Academic Calendar

- Institute level academic calendar is prepared by the principal based on the academic schedule provided by the Anna University and discussion with HoD's, various committee Coordinators, Librarian and Physical Director. HoD's upon discussion with faculties prepares the department academic calendar based on academic calendar by including department level activities. Academic calendar includes
 - List of working days and holidays
 - Institutional level events
 - Examinations schedules
 - Symposiums
 - Industrial Visits
 - Placement Trainings
 - FDPs/Workshops/Seminars/Conferences
 - IQAC audit schedules.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.1.2_Various_Committees.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Effective strategic planning requires identification and implementation of strategies that will facilitate AACET to achieve academic excellence at national level. In the preparation of the Perspective/Strategic Plans, Internal Quality Assurance Cell (IQAC) of the college has taken initiatives to obtain inputs from all the stakeholders.

Establishment of Centre of Excellence in "National Instrument's Virtual Instrumentation Laboratory" was one among the strategic plan of the institute and it was established on 14.03.2022.

AACET- Centre of Excellence in "National Instrument's Virtual Instrumentation Laboratory" aims to bridge the gap between the industry and academia, bringing real world engineering concepts to life. Features of Virtual Instrumentation Laboratory are

- It enables students to understand engineering concepts through virtual instrumentation by means of using NI myDAQ and LABVIEW software.
- It inculcates the students with the concepts of Data Acquisition systems, interfacing of Sensors and Transducers and Automation through embedded controllers.
- It enables faculty and students to undertake research activities, showcase their innovation in terms of projects and products and to provide solutions for industrial problems.
- This laboratory is equipped with myDAQ Hardware and standard edition of NI LabVIEW software. Faculty development programme was conducted to carry out hands-on training on MyDAQ with NI LabVIEW.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_6/6.2.1_Strategic_Plan.pdf
Upload any additional information	View File

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

AAACET is governed by the directions of the Governing council which comprises of management, principal, academic and industrial experts. Governing council is responsible for laying out strategic plans and policies for the development of the Institution. Principal governs and implements the plans and policies as per the directions of the governing council and the rules and regulations of Anna university and other statutory bodies.

Institute administration constitutes of different council/committees/cells/clubs with the representation of internal and external stakeholders to carry out various activities. Academic Council plays a vital role in framing important policy decisions related to the academics. IQAC implements necessary quality measures for improving the teaching learning process and quality of the events conducted in the institute. Exam Cell schedules and conducts the internal and university end semester as per the University schedule. The Placement and Training cell functions with a Placement director and department placement coordinators. Faculty and staff recruitment & promotion policies, service rules, incentives, financial powers and the role and responsibilities at various hierarchical levels are well documented in the HR manual. The establishment of organizational structure ensures smooth flow of official communication across all levels and effective implementation of strategic plans to achieve academic excellence.

File Description	Documents
Paste link for additional information	https://www.aaaengcoll.ac.in/wp-content/uploads/2023/01/HR-Manual-V2-2022-23.pdf
Link to Organogram of the Institution webpage	https://www.aaaengcoll.ac.in/wp-content/uploads/2022/03/Organogram.pdf
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

The College's effective Welfare Measures for the Teaching Staff

- Medical/Maternity/Marriage leave.
- Causal/Compensatory/Winter/Summer(Vacation) leave to all eligible faculty.
- Group Insurance cover.
- Sponsorship for Seminars, Workshops, FDPs and Paper Presentation.
- Interest free loan for Ph.D Semester fee and Marriage/Emergency.
- On-duty for faculties pursuing Ph.D.
- Cash award for International/National/State awards and faculty book publication in reputed publication.
- 5% cash award for getting research project Grands/Funds/Patent from government/private agencies
- 3% cash award of total grand sanctioned by the funding agencies for organizing Seminars/Workshop/FDPs and Conferences
- Rs.10,000 incentive for Engineering Ph.D., Completed.
- Rs.5,000 incentive for Science & Humanities Ph.D., Completed.
- Cadre promotion based on Ph.D.,
- Incentive for both Faculty Publication in reputed journals and getting 100% pass percentage.
- On-duty leave for the faculty to attend Ph.D Viva-Voce and act as Resource person.
- Rs.5000/- fee waiver for faculties children in the schools run by the management.
- Free hostel accommodation and Subsidized mess fee for all faculty in the hostel.

- Free Medical emergency transportation.
- 3 days paid leave is extended on faculty/staff marriage.

The College's effective Welfare Measures for the Non-Teaching Staff

- Employees Provident Fund (EPF) and Employees State Insurance (ESI).
- Free Medical emergency transportation.
- Medical/Maternity/Marriage leave.
- Causal/Compensatory/Winter/Summer(Vacation) leave
- Group Insurance cover.

File Description	Documents
Paste link for additional information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.3.1_Welfare_Measures.pdf
Upload any additional information	View File

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

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

25

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

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

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

28

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

60

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

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

The institution has the practice of evaluating the performance of both the faculty members and non-teaching staff by Performance Appraisal System. The performance of the faculty is evaluated based on teaching, research, participation in

institution/department building activities, organizing co-curricular and extracurricular activities and student feedback. Similarly, the performance of the non-teaching staff is evaluated based on professional competence, performance and personal characteristics. The appraisal system motivates the staff members to excel and put forth the best of their efforts.

Faculty Performance Appraisal System for Teaching Staff

- The self-appraisal forms submitted by the faculty are reviewed by the respective HoD and forwarded to the Principal with their comments/recommendations.
- If the performance of the faculty is satisfactory, Principal recommends increment for the concerned faculty else, they are counselled by the HoD/Principal to show better performance in the subsequent semester.

Performance appraisal system for non-teaching staff (NTPAS)

- The self-appraisal forms submitted by the non-teaching Supporting staff are reviewed by the respective HoD/Office Manager and forwarded to the Principal with their comments/recommendations.
- If the performance is satisfactory, they become eligible for increments else they are counselled by the Principal & office manager to improve their efficiency in discharging their duties.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/wp-content/uploads/2023/01/HR-Manual-V2-2022-23.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

Institution has a well-established system for Internal and

external audit. The Governing Council of the Institution consisting of management representatives, industry and academic members preview financial year budget proposals submitted by the Principal. Institute prepares budget for every academic year. Principal submits the budget proposal to the management based on the various departments/Centre's/unit's budgets requests. The proposals are made on different heads such as laboratory equipment, library expenses, salary, building infrastructure and other maintenance expenses, etc., Institute's Finance Officer is responsible for purchasing, verifying and checking the commodities, bills and vouchers, passing the bills for payment, after the discussion with the Principal/Management.

The institution has both internal and external audit mechanisms. An internal auditing committee verifies the income and expenditure details of the Institution. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, compliances of T.D.S. and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. Subsequently, External Statutory Audit is conducted by a qualified Chartered Accountant, recognized by ICAI appointed by the management. Finally, external auditor prepares the income expenditure statement for the purpose of income tax.

File Description	Documents
Paste link for additional information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/Expenditure_Statement_2021-2022.pdf
Upload any additional information	View File

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

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

Rs.1,22,22,200/-

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
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

The resources mobilization strategy and implementation plan, seeks to guide towards sustainable financing of its various programs. It reviews college funding patterns, provides guideline and proposes strategies for mobilizing resources to support the college strategic plan and the ultimate fulfillment of its vision and mission.

Different sources of funds :

At present, the major source of fund is tuition fee collected from students. Funds are received by submitting proposals for conducting workshops, seminars, FDPs, conferences and research projects to various government and non-government funding agencies. Sanctioned funds are utilized for conducting various technical events, purchase of advanced equipment and conduct research in the specific areas. Funding are also received from social welfare trusts. These funds are used for providing scholarships for the economically poor and bright students and also for supporting students' projects and for providing incentives for students and faculty achievements.

Optimal Utilization of Resources

The Institute has a well-defined procedure to monitor the effective and efficient utilization of available resources for infrastructure development and teaching learning process. Adequate amount of funds is allocated and utilized for maintaining cleanliness and for making the campus greener. Institute also invests necessary funds for solid, liquid and e-waste management systems.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/Budget_Proposed_Sanctioned_Expenditure%20_2021-22.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

Strategy 1

Implementation of Institute Industry Interaction Policies

1. Industrial Visit Policy

The IQAC of AACET has implemented the policies for industrial visit and internship for enhancing the quality of the companies visited during the industrial visit and the internships attended by the students. While selecting the companies for industrial visit, the following factors need to be taken into consideration before finalizing the industrial Visit as per the new industrial visit policies:

1. Selection of companies
2. Recommendation from HOD
3. Duration for Industrial Visit
4. Code of Conduct
5. Grading of students

2. Internship Policy

Internship policy describes the terms and conditions for selecting the company for internship, its Duration, Eligibility, internal faculty supervisor allocation and the expectations and the outcomes at the end of the internship.

Strategy 2

Implementation of Google classroom and Proctor card audit policy

Google Classroom Audit:

Due to the effective measures taken by the IQAC online teaching Learning Platform GCR has been successfully implemented across all the departments for all the courses. In order to ensure the quality of the Google classroom, an audit for google classrooms has been initiated with effective from the academic year 2021-2022.

Proctor Card Audit:

Mentoring system is one of the best practices that is followed in our institute. In order to monitor the mentor's interaction with the students and their parents an audit has been introduced to cross check various information's that are being recorded in the proctor card.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.5.1_IQAC_Strategies.pdf
Upload any additional information	View File

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

Google Classroom Audit

Every teacher creates Google Classroom before the commencement of the semester. In order to ensure the quality of the Google classroom, an audit for google classrooms has been initiated with effective from the academic year 2021-2022. IQAC organizes regular google classroom audits to ensure effective implementation of teaching learning process. Audit of Google Classroom for the following:

- Course Plan
- Quality of Lecture Notes

- Internal Question Bank, Question Paper and Answer Key
- Assignment Question and Answer Key
- Innovative Teaching Methods
- Text Books and Important Resources etc.,

Proctor Diary Audit

Each faculty plays the role of mentor for a group of 10 to 20 students. Each mentor maintains and updates the Proctor diary and Student Portfolio which records the detailed progress of the student. Conduct periodic meetings with their students and constantly monitors, encourages and motivates the students in all academic activities. Proctor Diary Audit is carried out at the end of every academic year to ensure the quality in mentoring system. The proctor diary audited by faculties from other departments.

Audit of Proctor diary for the following:

- Personal details
- Internal Test Marks
- Attendance details
- Counseling details
- Parent Interaction details, etc.,

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.5.2_IQAC_Reviews.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality 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	https://www.aaaenggccoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/Annual_Day_Report_2021-22.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The policy guidelines of AACET in admission, recruitment and administration ensure that the students, faculty and staff members are treated professionally well without any gender discrimination. Equal participation of boys and girls in teaching learning process and co-curricular and extra-curricular events is ensured. Gender balance in faculty members is maintained through priorities to women in leadership positions as HoD, Placement coordinators, Cell Coordinators etc., Women's Day is celebrated every year and inspiring women personalities are invited. Grievance Redressal Committee and Women's Empowerment cell provide a convenient platform for students to represent their issues.

Enough number of security personnel ensures the safety and security of the campus and the students. Girl students who are staying in the Hostel are given special attention in safety regards. Vehicles and people entering the campus are checked at all exit and entry points. Visitor register is maintained in the main gate and hostels.

Every faculty is allotted 15-20 students for effective student personal counseling and mentoring. Our counseling system provides support to the girl students and envisages them to realize and resolve their problems.

Separate common rooms are provided for boys and girls. Well-furnished separate hostels for boys and girls are available in the

campus .

File Description	Documents
Annual gender sensitization action plan	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/Annual_gender_sensitization_action_plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/criterion_7.1.1-facilities.pdf

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

B. Any 3 of the above

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

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

AAACET has a strong waste management system. The paper wastes, plastic wastes, food wastes, wastes from canteen, hostel kitchen etc., are segregated into biodegradable and non-biodegradable wastes.

Solid wastes are processed through vermicomposting process and used as manure for the plants/trees in the campus. The recyclable waste papers are collected and periodically sent for recycling. One sided papers are re-used by the faculty/staff for documentation. Non-biodegradable waste such as metals and other scraps are comparatively less in our campus.

The RO plant installed in the campus caters the drinking water needs. Sewage watertreatment plant in the campus has a capacity to process 20,000 liters/day. The treatment process is designed on the principle of activated sludge process with ultra filtration. Treated waste water is used for gardening and other activities and the collected sludge is used as manure for plants/trees.

Bio-medical wastes such as sanitary napkins are disposed through eco-friendly napkin incinerators. Usage of hazardous chemicals and radio-active materials are restricted inside the institute. The UPS batteries are often replaced with the new ones and the old batteries are recycled. Out-dated computer systems in working conditions are sent to nearby schools' usage to minimize the e-wastes generated in the campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://www.aaaengcoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/criterion_7.1.3.pdf
Any other relevant information	View File

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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	View File

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

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

A. Any 4 or all of the above

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

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

A. Any 4 or all of the above

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

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

The institute is proactively taking efforts in providing an inclusive environment. Our objectives are to promote better education, to provide economic support for the needy and to set communal harmony. Minority/SC/ST scholarships are provided for economically poor and eligible students to promote their education. AACET promotes universal values, communal harmony, and tolerance towards cultural, regional, linguistic diversities through apt forums. NSS/YRC/UBA and Rotaract club organize various events in the neighborhood such as medical/blood donation camp, eye check-up camp, vaccination camps and various awareness programs too. Motivational programs are also being conducted for the benefit of surrounding school/polytechnic/college students. These activities create an inclusive environment by bringing students and teachers with diverse background on single platform for creating inclusive environment and also help in developing tolerance harmony towards culture, region and linguistics and communal social economics and other diversities. The subjects on human rights and professional ethics are included in the curriculum. National/international days, anniversaries of great leaders are commemorated in the institute. To inculcate unity and diversity, various religious festivals such as Deepavali, Pongal, Christmas and Ramzan are celebrated. Students and faculty expose their communal, religious and linguistic diversity in various technical and cultural events conducted by the institute.

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

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

AAACET celebrates Republic Day every year on 26th January with great gratification to honor the date on which the Indian constitution came into effect. This day highlights the importance of the constitution. Numerous personalities deliver their speeches on the significance of preserving constitutional rights and values. Independence Day is celebrated on the 15th of August every year to mark the importance of freedom, on this day, Flag hoisting ceremony is organized followed by the recitation of National Anthem.

AAACET organizes several programs such as election awareness, eye/medical camps, vaccination camps, plastic awareness, environment & pollution awareness etc., through its NSS, YRC, Rotaract club and UBA that are aimed at the promotion of various constitutional rights, duties, and responsibilities of citizens for the students and the employees of the institute. A voter's pledge programme is organized on 25th January of every year for students and all employees to create awareness about the fundamental rights and responsibilities.

Courses on human values and professional ethics are included in the curriculum to inculcate human values and responsibilities to students. Women's empowerment cell in the institute organizes various gender equity programmes for girl students and women employees to know their constitutional rights.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

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	View File
Any other relevant information	View File

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

To maintain harmony and healthy work atmosphere and to make the stakeholders aware of the national pride and rich cultural heritage of India, the National/International commemorative days and festivals are regularly celebrated and observed in the institute.

The institution celebrates Days of National and international importance through its NSS unit and various clubs every year. The contributions of Dr. S. Radhakrishnan are recollected on Teachers Day on 5th September. As a tribute to the great Indian Engineer,

Bharat Ratna Dr.Mokshagundam Visvesvaraya, Engineer's day is celebrated on 15th September to recognize the achievements of Engineers. Innovation Day is celebrated on 15th October to mark birth anniversary of Dr.A.P.J.Abudul Kalam. Gandhi Jeyanthi is celebrated on 2nd October to mark the birth anniversary of Gandhiji.

Independence Day and Republic Day are celebrated every year with great enthusiasm and patriotism where faculty members and students pay tribute to all freedom fighters who sacrificed their lives in order to gain the freedom of India. Various religious festivals such as Vinayaka Chaturthi, Saraswathi pooja, Diwali, Christmas, Ramzan, Pongal etc., are celebrated in the campus every year.

International Women's Day and International Day of Yoga is celebrated in our campus.

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

7.2 - Best Practices

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

1. Title

1. Professional Skill Development
2. Mentor System for the students

2. Objectives

1. Enrich student's technical and communication skills and leadership qualities.
2. Motivate and counsel the students to excel in academics.

3. Context

1. Designed for the students to excel in developing cost-effective solutions for real-life problems and societal needs.

2. Mentors interact with students and parents to improve the student's learning ability.

4. Practice

1. Professional skills are developed through various certification and value-added courses, organizing guest lectures, seminars, workshops, industrial visits and symposium.

2. Mentors periodically conduct meetings with students and Counsel/advise them regarding their academic performance, choice of electives, project works, internships, in-plant training and their career development/professional enhancement.

5. Evidence of Success

1. Success of professional skill development programmes is reflected in final year projects and jobs received in software/Core companies.

2. Fast learners are placed in reputed companies with higher salary package. Slow learners attend the classes regularly and cleared their arrear subjects.

6. Problems encountered and resources required to implement the practice.

No problems are encountered.

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

Professional Laboratories:

AAACET has signed MOU's with various reputed industries/organizations and established industry based

professional laboratories/centers to enhance the industry institute interactions activities in the campus and in placements etc.,

E-Yantra Robotics laboratory in association with IIT Mumbai was established to train the students on robotics and to create the next generation of embedded and robotic systems engineers.

AAACET established the Center for Excellence - CAR with an aim to develop effective and efficient training programs and seminars in association with Robert Bosch GmbH in the field of automobile engineering.

Industrial Internet of Things (IIOT) laboratory in AAACET was established to enable students understand and design industrial devices and systems using IOT.

Texas Instruments Innovation laboratory has been established to provide training on advanced embedded systems and advanced signal processing technology for faculty/students.

National Instrument's Virtual Instrumentation laboratory has been established to provide training for faculty/students in virtual instrumentation concepts, Control systems and data acquisition systems.

AWS Cloud Computing facility has been established in the campus to enhance student's skills and knowledge in the cloud computing platform.

AAACET established a professional laboratory on Oracle Primavera, a project management system in the year 2018 in association with Infinity PMC Pvt.Ltd.

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

AAACET is approved by AICTE and affiliated to Anna University. We impart quality technical education to the rural students following the curriculum and syllabus prescribed by Anna University.

Every academic year, institute academic calendar is prepared based on the Anna University schedule. The institution convenes academic council meeting in the month of June/November to discuss the gaps in curriculum and the academic activities that are planned to be conducted. Initiatives like value added courses and Add-on courses are planned in every semester to bridge the curriculum gaps. All the departments prepare their academic calendar including various academic activities planned for the semester based on the directions and decisions made by the academic council and institute's academic calendar.

Subject allocation is done by the HoD based on the skill matrix and parameters like experience, performance and preference of the faculty. The faculty prepares Lesson plan, Course Objectives/Outcomes, CO-PO mapping, study materials etc., The faculty members are permitted to use various innovative teaching methodologies to make teaching learning process effective.

The institution provides all necessary infrastructural facilities such as ICT tools, Lecture capturing systems, Language lab, Educational Software, text books, reference books, e-books, magazines and journals/e-journals etc.,

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_1/1.1.1_curriculum_delivery.pdf

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

The academic calendar is prepared in line with the university schedule and displayed on the college website after the approval of the academic council. The opening and closing dates of the classes of each semester, list of holidays, co-curricular activities and internal assessment examination schedules for theory courses and model practical examination for laboratory courses are specified in the academic calendar.

The time table for theory and laboratory courses is prepared by the time table coordinators of various departments based on the subjects allocated to the faculty. Lesson plan for the allocated subjects is prepared by the faculty members based on the department academic calendar. The faculty plans the lecture topics according to the dates mentioned in the Lesson plan. The HODs monitor the day-to-day conduct of the theory and laboratory courses and the syllabus coverage based on the lesson plan and time table.

The institution strictly adheres to the academic calendar for conduct of continuous internal assessment examinations. Students are well informed about the time table for the conduct of internal assessment examinations. They are also informed about the schedule for entry of marks in the web portal of the Anna University.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_1/1.1.2_adherence.pdf

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

A. All of the above

Diploma Courses Assessment /evaluation process of the affiliating University

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

5

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

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

28

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

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

491

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

491

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

1.3 - Curriculum Enrichment

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

The institution provides a conducive environment to all our students. The cross-cutting issues relevant to Gender, Environment and sustainability, Human Rights and Professional Ethics etc., are addressed in the curriculum through regular and elective courses with the support of various cells and clubs.

Gender Equality

Women Empowerment Cell of our institution organizes events for creating awareness amongst the female students and women faculty members about their rights and human values of women. Women Grievances Committee in the institute conducts meeting periodically and interacts with girl students regarding problems on sexual harassment, eve teasing if any. Women Grievances Committee handles the issues confidentially.

Environment and Sustainability

Environment related courses are offered in the curriculum as regular and elective subjects. Various programmes such as plastic awareness, clean India and tree plantations are organized by NSS unit regularly.

Human Rights & Professional Ethics

As the part of the curriculum, the institution offers Human Rights and Professional Ethics in Engineering as an elective course for the students. Committees like SC/ST committee and Anti-Ragging committee in the institute deals ragging and

harassment related issues. Our institution educates and motivates the students and faculty to follow ethical principles in academics, research and society.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

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

10

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

307

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	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)	View File
Any additional information(Upload)	View File

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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_1/1.4.1_Feedback_on_Curriculum.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

330

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

263

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

2.2 - Catering to Student Diversity

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

The programmes and strategies adopted by our institution satisfy the needs of the students from diversified backgrounds and from different locales. After admission, the students are evaluated based on their HSC marks and performances in internal assessment examinations. A student securing less than 60% is categorized as a slow learner, otherwise he/she is categorized as an advanced learner.

Methodologies to encourage Advanced Learners

- Advanced learners are encouraged to undergo NPTEL/Certification courses to enrich their technical knowledge.
- They are provided with aptitude training, mock interviews, soft skills training for improving their confidence level and acquire job opportunities and career prospects abroad.
- They are motivated to undertake research projects and participate in symposia, seminars, workshops and

conferences organized by reputed organizations/institutions.

Methodologies to improve the performance of slow learners

- Slow learners are encouraged and counselled for improving their performance in academics.
- Simplified study materials, coaching classes after class hours and improvement tests are conducted to improve their academic performance in internal assessment examinations.
- Tutorial classes for problematic courses are conducted to improve the problem-solving ability of the slow learners. It also promotes peer learning among the students.

File Description	Documents
Link for additional Information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.2.1_After_Test_Learning_Levels.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
713	100

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

AAACET has adopted different learning methodologies such as experiential learning, participative learning and problem solving to create interest in learning process among the students.

Experiential Learning

Industrial visits, field visits and hands-on trainings by

industrial experts are arranged for the students to make them conversant with the recent technology trends followed in the industries and to prepare them as industry-ready engineers. Vocational/certificate courses and value-added courses are also conducted for the students to enhance their technical skills and employment opportunities. Students are encouraged to undergo internships/in-plant trainings for obtaining industrial experience. With a variety of laboratory courses, the students get a better understanding of the theoretical concepts taught in class.

Participative Learning

Students are encouraged to learn through reciprocal teaching, participation in group discussions, seminars, role plays and NPTEL courses for better understanding of concepts/technologies. They are encouraged to participate in symposiums, intra/inter collegiate events, seminars, guest lectures and contests to bring out the potential of the students.

Problem Solving Methodologies

The mini and major project courses enable the students to identify problems and use research-based knowledge to arrive at optimum solutions. In case of problem-oriented subjects, tutorial classes are conducted where students improve their problem-solving abilities.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.3.1_Student_centric_method.pdf

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

Adoption of innovation and creativity is an integral part of the teaching-learning process in our college and it helps us in achieving academic excellence. ICT facility makes the teaching learning process effective through animations, power point presentations and video lectures. ICT supported teaching

learning processes are being practiced by all the faculty during their course delivery through google classrooms supported with various innovative teaching methodologies.

All the classrooms, laboratory, seminar halls and auditorium are ICT enabled. Entire campus is Wi-Fi enabled to provide seamless internet connectivity inside the campus. ICT facilities available in the Institution includes lecture capturing systems, projectors, computers, white screen and wi-fi hotspot access points. Lecture capturing systems enables the faculty to create a virtual classroom environment.

Digital library provides access to various learning resources such as, DELNET, NSDL and Shodhganga. Through these digital platforms students can access e-books, Journals, magazines and databases etc., AACET is a SWAYAM regional local chapter for NPTEL courses and recorded videos of NPTEL courses are available for faculty and students in the multimedia section of our digital library. AACET in association with COURSERA offers online certification courses for faculty and student.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.3.2_ICT_Tools.pdf

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

40

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

2.4 - Teacher Profile and Quality

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

100

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

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

33

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

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers**

301

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

2.5 - Evaluation Process and Reforms

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

- Internal assessment tests are conducted by the institute's exam cell as per the academic calendar. The time tables, seating arrangements for internal tests are informed through circulars and displayed in notice boards well in advance.
- Once the examinations are conducted, the answer scripts of students are evaluated by concerned course instructor and distributed to the students. Answers to all the questions given in the examinations are discussed with students during the distribution of answer scripts. The system is made transparent by providing the scheme of evaluation and answer key to the students so that they verify the marks awarded and understand their mistakes committed by them in the examination. Grievances in the evaluation process made by the students are addressed and modifications of marks are carried out, if necessary. Answer scripts are verified by the HoD to ensure that there is no discrepancy in the evaluation.
- The internal test marks of the students are disseminated in the notice board to ensure transparency.
- The internal assessment and end semester examination marks are communicated to the parents through post and SMS.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.5.1_Mechanism_of_internal_assessment.pdf

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

- Every grievance at Institution level is addressed instantly by the concerned authorities. Students express their grievances related to the internal assessment examination process to the HoD or during the class committee which is convened at regular intervals. The HoD/Principal takes appropriate actions to solve the

grievances of the students as early as possible.

- Internal assessment question paper is checked by the concerned faculty on the day of examination and if any discrepancies are found, they are rectified and communicated to the students immediately. During internal examinations, visits to examination halls are made by the examination cell coordinator and by internal squad members to monitor the students during the examinations.
- The end semester examinations are conducted according to the rules and regulations of the Anna University. The grievances if any, related to the end semester examinations are reported by the Principal to the controller of examinations of the Anna University. The grievances of the students related to the evaluation in the end semester examination are addressed by applying for reevaluation. If the student is not satisfied with the reevaluation results published by the Anna University, he/she can apply for review/challenge evaluation by paying the prescribed fees.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.5.2_Examination_related_grievances.pdf

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.

Course Outcomes(COs) are narrower statements that describe what students are expected to know and be able to do at the end of each course. COs are framed by the course instructors in consultation with the HoD. COs are quantitatively assessed through various innovative teaching methods and are mapped to the program outcomes (POs) and program specific outcomes (PSOs) with levels of emphasis being strongly correlated (3), moderately correlated (2) and slightly correlated (1). Therefore, attainment of the COs provides direct quantitative

evidence to that POs and PSOs are attained.

The POs and PSOs are disseminated to faculty, students and other stakeholders through institute/department newsletters, magazines, institute/department events/meetings, lab manuals and course files etc. It is also displayed in the HOD's room, faculty room, department/classroom notice boards, laboratories, main corridors, auditorium/seminar halls and institute website.

The COs are disseminated to students through discussions in the classroom. COs are displayed in the classroom notice boards and are included in course file and online classrooms. COs are included in the exam question papers, so that students will be aware of the COs covered in the examinations. It also helps to assess the students and finally in the calculation of CO attainments.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.6.1_Dissemination.pdf
Upload COs for all courses (exemplars from Glossary)	View File

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

Assessment gives essential information about the learning and the extent of teaching goals met. Attainment of COs and POs indicate the successful delivery of the course content. Attainment of COs are assessed by considering 1) 20% of Internal Assessments Marks and 2) 80% of end semester university examination marks/Grades.

The internal assessment mark for the theory courses is the average of marks scored in internal tests, assignments and assessments pertaining to innovative teaching learning methods. For laboratory courses, average mark of records and one model practical examination is considered. The internal examination marks for project work are evaluated by conducting three project reviews. Grade points are given by the Anna university in the end semester examinations based on the

students' performance. Average attainment for all POs and PSOs for all the courses in a program is calculated by mapping COs with POs and PSOs.

Attainment of CO, POs and PSOs are assessed by considering:

1. Direct Attainment

i. Internal Assessments Mark

ii. End Semester Marks/Grades

2. Indirect Attainment

i. Students Exit Survey

ii. Alumni Survey

Final COs, POs and PSOs attainment is calculated by considering 80% of direct and 20% of indirect attainment levels.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_2/2.6.2_CO_PO_Attainment.pdf

2.6.3 - Pass percentage of Students during the year

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

88

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.aaaenggcoll.ac.in/wp-content/uploads/2023/05/ANNUAL_DAY_REPORT-2021-2022.pdf

2.7 - Student Satisfaction Survey

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

https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_2/2.7.1_Online_Student_Satisfaction_Survey_Report.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

1,55,450

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

3.1.2 - Number of 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	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.aaaenggcoll.ac.in/about-us/

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

80

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

3.2 - 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

13

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

3.2.2 - 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

64

File Description	Documents
Any additional information	View File
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

AAACET participates in the college-neighborhood community development by conducting regular activities through its NSS unit coordinated by faculty and students.

The vision of our college NSS Unit is to build the youth with the mind and spirit to serve society and work for the social upliftment of our nation as a movement.

The NSS Unit & Rotary Club of our institution conduct frequent events such as Blood Donation Camps, COVID-19 prevention and vaccination camp, meditation program, environment awareness program, tree plantations, voter identity registration, election awareness program, Fit India program, etc., Paying tribute to India's freedom fighters like Gandhiji Birthday celebration are also being conducted for the benefit of college students. The students are provided enough opportunities to spread societal awareness and serve their surroundings.

The extension activities are informed through circulars, emails, and website notifications. The students cheerfully come forward and participate in the activities for the welfare of society.

The impacts of extension activities conducted by the institute are visible through reduced usage of plastics, increased voting, and increased awareness about health and the environment. The number of students participating in the

institute activities also increased considerably.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_3/3.3.1_Extension_Activities_2021-2022.pdf
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

6

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

3.3.3 - 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

21

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**

520

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

3.4 - 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**

308

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

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**

35

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

ACADEMIC FACILITIES :

AAA College of Engineering and technology has several academic facilities such as 27 ventilated, spacious classrooms with green color chalk boards and LCD and Internet facility, 45 laboratories, 2 workshop, 6 seminar halls with seating capacity of 120 students, 1 auditorium with 800 students capacity, 4 drawing halls, 1 library with digital library facility and 1 board room.

TEACHING LEARNING FACILITIES :

In our institution, there are 395 desktop computers, 11 laptops, 32 projectors and accessories, 3 scanners, 130 CCTV cameras, 9 servers, 27 printers, 2 CD writers, and 1 computer center.

ADDITIONAL INFRASTRUCTURE :

Generator with a capacity of 705 KVA and Entire campus is 24 hour networked with a band width of 100 Mbps, about 55 Wi-Fi points spread over the entire campus including hostels. Medical facilities and 11 Buses are available in the campus. AACET has been organizing blood donation camps, free eye camps, General medical camp, and social awareness programs. Canteen, Reprography, SBI ATM facility, RO water, Sewage Treatment Plant, Red Hat Academy, BOSCH lab, TEXAS Lab, IIoT Lab, E-Yantra Lab, National Instruments Lab, Security guards, Separate waiting room and hostel for Girls and Boys are available in our

campus .

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_4/4.1.1_Physical_Facilities.pdf

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

AAA College of Engineering and Technology encourages students to participate in various extra-curricular activities and provides both indoor and outdoor facilities to take care of physical well-being of students and faculties.

The institute has a total area of 16,800 sq. meters of playground which houses basketball (800 Sq.Mts), ball badminton (576 Sq.Mts), football (10800 Sq.Mts), cricket (14000 Sq.Mts), kho-kho (324 Sq.Mts), Kabaddi (260 Sq.Mts), handball (1388 Sq.Mts), volleyball (896 Sq. Mts). Our students have bagged good winning records at intercollegiate and Zonal levels.

For all-round development of the students, there is fully equipped gym/fitness zone containing all modern equipment. Gym has a range of equipment's like dumb bells, Steering plates, Biceps Steering plates, skipping ropes. The other equipment includes double bar, Back Hyper Extension, Fore Arm Extension, Leverage squat/calf raise machine, Bicep cart, fore Arm extension, Pull up stand, Bench press, Abs machine etc.,

The institution boasts of huge, commodious and fully air-conditioned Auditorium having a seating capacity of 800 people is available for conducting cultural events/activities and cocurricular activities. Students perform variety of cultural events during the Annual day every year.

The Yoga classes are conducted for students regularly through Physical Education classes. Yoga day is organized every year.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.1.2_Facilities_Sports.pdf

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

34

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

34

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.1.3 ICT Enabled Facilities.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

47.28447

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

4.2 - Library as a Learning Resource

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

Library is automated using ROVAN, Integrated Library Management System (ILMS). It helps to manage the library resources and serve the students and faculty effectively.

Name of ILMS software : ROVAN

Nature of automation (fully or partially) : Fully Automated

Version : 5.1 Java

Year of Automation : 2017

ROVAN ILMS has the following modules:

1. Database Management-Cataloging

This module allows to create/update/edit and maintain the following databases.

? Books, Journals, magazines, thesis, Conference Proceedings, etc.

? CDs, Video/Audio tapes,

? E-Books -Digital Content

? e-JOURNAL

2. Search (Online Public Access Catalogue)

- **Simple Search:** To search the database using accession number, call number, author, title, year, publisher, Keywords etc.,
- **Advanced Query Builder:** To search the database by specific keywords and Boolean operators in the search.

3. Circulation Management-Transaction

This module is designed for all types of counter transactions such as:

? Issue/Renewal/Return

? Overdue receipt/No-due certificate

4. Report Management

This module is designed to generate and print reports such as list of books/journals/publishers, library usage etc.,

5. System Administration

This module allows to:

- Create/remove user log-in, password and grant rights to access various
- Set overdue charges
- Back-up, export and import of data
- Generate charts

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.2.1_Photo_Proof.pdf

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

A. Any 4 or more of the above

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

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

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

3.88404

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

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

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

49

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

4.3 - IT Infrastructure

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

Introduction:

Institution has various IT facilities like Computers, Wi-Fi Hot Spots, Projectors, Internet and e-Governance Software, ILMS-ROVAN and Server, as per AICTE Norms. The following is a brief

account of the above.

(a) Computers:

Institution updates and upgrades the computer facilities as per the requirement and intake of the students periodically. All the computers are interconnected through wireless network using switches. The institution is equipped with a sum of 407 number of computers which comprises of 15 numbers of thin client , 98 numbers of N - Computing , 106 numbers of i3 processor,136 numbers of i5 processor and 56 numbers of Pentium processor.

(b) Internet Facility:

Wifi Connectivity in the institution was initialized only to departments and office premises. The entire campus including boy's hostel, girl's hostel, administrative block and placement cell were connected with the high speed Wifi facilities which sums up to a total of 55 Wifi hotspots in the institution. The Institutional Data Centre is periodically updated with DHCP, DNS, Firewall Server, Storage Server, Ubuntu Server, Communication Server, Firewall, Cisco 3800 series router and Network Video Recorder.

Bandwidth 100 Mbps is available.

(c) Projectors : 32 number of projectors were available in the campus.

(d) Other facilities:The College imparts the trending technologies like AWS, Autodesk Fusion - 360 and Revit for sharpening the skills of the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_4/4.3.1_IT_Facilities.pdf

4.3.2 - Number of Computers

407

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

39.54

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

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

AAA College of Engineering and Technology has established systems and procedures for maintaining both physical and academic supporting facilities and its utilization. Internal maintenance/complaint register is maintained for various maintenance activities in the institution. The required minor

maintenance/service works are carried out by the institute technicians. Major repair work, are outsourced to concerned engineering experts. Major institute maintenance/service works include, maintenance of classroom and staff table and chairs, laboratory work benches, lights, fans, , water pumps, transports, lifts, UPS, Power Generators, RO and STP Plant, campus cleanliness, toilet cleaning process and uninterrupted water supply. Well experienced IT team maintains the computers, software's, printers, photocopier, WIFI and LAN.

Utilization registers maintained for various academic and physical facilities. Institutes sports amenities and its utilization are maintained by physical director and maintenance/utilization of institute physical amenities such as transports, auditorium, seminar halls, RO and STP plants, lifts, sound systems, power generators and other infrastructure facilities are administered by administrative officer. Librarian takes care of purchase, maintenance and utilization of library resources.

Stock, service and utilization registers are maintained in all laboratories and audits are conducted by stock verification committee. First aid kits and fire extinguishers in the laboratories are serviced regularly and well-maintained.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_4/4.4.2_Maintaining_Utilizing_Support_Facilities.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

783

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

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

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

589

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

A. All of the above

File Description	Documents
Link to institutional website	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_5/5.1.3_Skill_Enhancement_Initiatives.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

899

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

899

File Description	Documents
Any additional information	View File
Number of students benefitted 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	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

84

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

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

5.2.2.1 - Number of outgoing student progression to higher education

3

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

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

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

government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/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.**

17

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

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

AAA College of Engineering and Technology focuses on improving students' academic and administrative skills by involving them in various administrative and academic activities. The college allows the students to be members in administration by including student representatives in IQAC, grievances and redressal committee, academic committee and the alumni association. Student representatives are also included in the organization of placement, sports activities, women's empowerment cell, and anti-ragging committee.

The students participate as members in various cell and clubs in the college such as National Service Scheme, Rotaract club, Youth Red Cross club, Sports/Fine arts club, Eco Club, and Entrepreneurship Development Cell. Further, the students are included as members of the college newsletter editorial board. The college also encourages students' participation in various center activities such as IIoT, MoE's Institute Innovation Council, Texas Instruments Innovation Lab and e-Yantra robotics lab. Students actively participate in the academic activities organized by various departments through various professional chapters of the institute.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_5/5.3.2_Student_Representation.pdf
Upload any additional information	View File

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

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

363

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

5.4 - Alumni Engagement

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

The alumnus plays a significant role in strengthening our

institution, aims at the budding engineers to be a job giver than to be a job seeker. The main objective is to enrol all alumni as members of the association and facilitating active participation of the alumni in the appropriate activities, events, and initiatives of the Institute. The alumni meet is conducted once in a year, where the alumni from different branches of the undergraduate programs share their views and give suggestions for the betterment of their junior students & institution/ department. Such meetings are mutually beneficial both for the Institution and to the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge, and insights.

The alumni visit the institution to deliver Guest lectures and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from the alumnus are invited to talk on their success stories on various occasions of the Institute. They also assist the students for placement in public/private sectors and the regular alumni association meetings pave the way for the successful placements of the students.

File Description	Documents
Paste link for additional information	https://www.aaaengcoll.ac.in/alumni/
Upload any additional information	View File

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

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

VISION

- Emerge as a Premier Institute for Quality Technical

Education and Research with social responsibilities.

MISSION

- To offer state of the art infrastructure for under graduate, postgraduate and doctoral programs.
- To provide holistic learning ambience blended with professional ethics, leadership qualities and social responsibilities.
- To disseminate knowledge and undertake research in field of Engineering and Technology.
- To inculcate innovation and creativity among student community to become successful entrepreneurs.
- To undertake collaborative projects with academic, research centres and industries to provide cost-effective solutions.

- AAACET was established in the year 2013 by Panjurajan-Amaravathy Trust with a goal of imparting quality technical education to rural students. Our institution constantly endeavors excellence in technical education through sound pedagogical methods, state-of-the-art facilities and well qualified faculty to produce top-notch professionals with enduring human and ethical values. The institute is governed by the Governing Council consisting of management, Principal, faculty representative, eminent academic and industry experts. Institute has various committees consisting of internal and external stakeholders for the implementation of its strategic plans in achieving academic excellence. A well-established organizational structure ensures smooth flow of work and communication across all levels for the effective implementation of strategic-plans.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/
Upload any additional information	View File

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

- AAACET has an efficient decentralized administration functioning under the guidance of the Governing Council and by following the rules and regulations of statutory bodies. The college empowers institutional hierarchy at all levels authorizing stakeholders to participate in the decision making at their respective levels.
- The administration constitutes councils and committees consisting of Management, Principal, HoDs, faculties, Staffs, students, alumni's and various other stakeholders to carry out various academic, co-curricular and extracurricular activities.
- Feedbacks are collected from various stakeholders and necessary actions are taken as continuous improvement process.
- Examinations are de-centralized and conducted by Examination Cell.
- The Placement and Training cell functions with a Placement director/officer along with department placement coordinators.

Preparation of Academic Calendar

- Institute level academic calendar is prepared by the principal based on the academic schedule provided by the Anna University and discussion with HoD's, various committee Coordinators, Librarian and Physical Director. HoD's upon discussion with faculties prepares the department academic calendar based on academic calendar by including department level activities. Academic calendar includes
 - List of working days and holidays
 - Institutional level events
 - Examinations schedules
 - Symposiums
 - Industrial Visits
 - Placement Trainings
 - FDPs/Workshops/Seminars/Conferences
 - IQAC audit schedules.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_6/6.1.2_Various_Commities.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Effective strategic planning requires identification and implementation of strategies that will facilitate AACET to achieve academic excellence at national level. In the preparation of the Perspective/Strategic Plans, Internal Quality Assurance Cell (IQAC) of the college has taken initiatives to obtain inputs from all the stakeholders.

Establishment of Centre of Excellence in "National Instrument's Virtual Instrumentation Laboratory" was one among the strategic plan of the institute and it was established on 14.03.2022.

AACET- Centre of Excellence in "National Instrument's Virtual Instrumentation Laboratory" aims to bridge the gap between the industry and academia, bringing real world engineering concepts to life. Features of Virtual Instrumentation Laboratory are

- It enables students to understand engineering concepts through virtual instrumentation by means of using NI myDAQ and LABVIEW software.
- It inculcates the students with the concepts of Data Acquisition systems, interfacing of Sensors and Transducers and Automation through embedded controllers.
- It enables faculty and students to undertake research activities, showcase their innovation in terms of projects and products and to provide solutions for industrial problems.
- This laboratory is equipped with myDAQ Hardware and standard edition of NI LabVIEW software. Faculty development programme was conducted to carry out hands-on training on MyDAQ with NI LabVIEW.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.2.1_Strategic_Plan.pdf
Upload any additional information	View File

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

AAACET is governed by the directions of the Governing council which comprises of management, principal, academic and industrial experts. Governing council is responsible for laying out strategic plans and policies for the development of the Institution. Principal governs and implements the plans and policies as per the directions of the governing council and the rules and regulations of Anna university and other statutory bodies.

Institute administration constitutes of different council/committees/cells/clubs with the representation of internal and external stakeholders to carry out various activities. Academic Council plays a vital role in framing important policy decisions related to the academics. IQAC implements necessary quality measures for improving the teaching learning process and quality of the events conducted in the institute. Exam Cell schedules and conducts the internal and university end semester as per the University schedule. The Placement and Training cell functions with a Placement director and department placement coordinators. Faculty and staff recruitment & promotion policies, service rules, incentives, financial powers and the role and responsibilities at various hierarchical levels are well documented in the HR manual. The establishment of organizational structure ensures smooth flow of official communication across all levels and effective implementation of strategic plans to achieve academic excellence.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/wp-content/uploads/2023/01/HR-Manual-V2-2022-23.pdf
Link to Organogram of the Institution webpage	https://www.aaaenggcoll.ac.in/wp-content/uploads/2022/03/Organogram.pdf
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

The College's effective Welfare Measures for the Teaching Staff

- Medical/Maternity/Marriage leave.
- Causal/Compensatory/Winter/Summer(Vacation) leave to all eligible faculty.
- Group Insurance cover.
- Sponsorship for Seminars, Workshops, FDPs and Paper Presentation.
- Interest free loan for Ph.D Semester fee and Marriage/Emergency.
- On-duty for faculties pursuing Ph.D.
- Cash award for International/National/State awards and faculty book publication in reputed publication.

- 5% cash award for getting research project Grands/Funds/Patent from government/private agencies
- 3% cash award of total grand sanctioned by the funding agencies for organizing Seminars/Workshop/FDPs and Conferences
- Rs.10,000 incentive for Engineering Ph.D., Completed.
- Rs.5,000 incentive for Science & Humanities Ph.D., Completed.
- Cadre promotion based on Ph.D.,
- Incentive for both Faculty Publication in reputed journals and getting 100% pass percentage.
- On-duty leave for the faculty to attend Ph.D Viva-Voce and act as Resource person.
- Rs.5000/- fee waiver for faculties children in the schools run by the management.
- Free hostel accommodation and Subsidized mess fee for all faculty in the hostel.
- Free Medical emergency transportation.
- 3 days paid leave is extended on faculty/staff marriage.

The College's effective Welfare Measures for the Non-Teaching Staff

- Employees Provident Fund (EPF) and Employees State Insurance (ESI).
- Free Medical emergency transportation.
- Medical/Maternity/Marriage leave.
- Causal/Compensatory/Winter/Summer(Vacation) leave
- Group Insurance cover.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.3.1_Welfare_Measures.pdf
Upload any additional information	View File

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

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

25

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

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

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

28

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

60

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

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

The institution has the practice of evaluating the performance of both the faculty members and non-teaching staff by Performance Appraisal System. The performance of the faculty is evaluated based on teaching, research, participation in institution/department building activities, organizing co-curricular and extracurricular activities and student feedback. Similarly, the performance of the non-teaching staff is evaluated based on professional competence, performance and personal characteristics. The appraisal system motivates the staff members to excel and put forth the best of their efforts.

Faculty Performance Appraisal System for Teaching Staff

- The self-appraisal forms submitted by the faculty are reviewed by the respective HoD and forwarded to the Principal with their comments/recommendations.
- If the performance of the faculty is satisfactory, Principal recommends increment for the concerned faculty else, they are counselled by the HoD/Principal to show better performance in the subsequent semester.

Performance appraisal system for non-teaching staff (NTPAS)

- The self-appraisal forms submitted by the non-teaching Supporting staff are reviewed by the respective HoD/Office Manager and forwarded to the Principal with their comments/recommendations.

- If the performance is satisfactory, they become eligible for increments else they are counselled by the Principal & office manager to improve their efficiency in discharging their duties.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/wp-content/uploads/2023/01/HR-Manual-V2-2022-23.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

Institution has a well-established system for Internal and external audit. The Governing Council of the Institution consisting of management representatives, industry and academic members preview financial year budget proposals submitted by the Principal. Institute prepares budget for every academic year. Principal submits the budget proposal to the management based on the various departments/Centre's/unit's budgets requests. The proposals are made on different heads such as laboratory equipment, library expenses, salary, building infrastructure and other maintenance expenses, etc., Institute's Finance Officer is responsible for purchasing, verifying and checking the commodities, bills and vouchers, passing the bills for payment, after the discussion with the Principal/Management.

The institution has both internal and external audit mechanisms. An internal auditing committee verifies the income and expenditure details of the Institution. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, compliances of T.D.S. and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. Subsequently, External Statutory Audit is conducted by a qualified Chartered Accountant, recognized by ICAI appointed by the management. Finally,

external auditor prepares the income expenditure statement for the purpose of income tax.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_6/Expenditure_Statement_2021-2022.pdf
Upload any additional information	View File

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

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

Rs.1,22,22,200/-

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
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

The resources mobilization strategy and implementation plan, seeks to guide towards sustainable financing of its various programs. It reviews college funding patterns, provides guideline and proposes strategies for mobilizing resources to support the college strategic plan and the ultimate fulfillment of its vision and mission.

Different sources of funds :

At present, the major source of fund is tuition fee collected from students. Funds are received by submitting proposals for conducting workshops, seminars, FDPs, conferences and research projects to various government and non-government funding

agencies. Sanctioned funds are utilized for conducting various technical events, purchase of advanced equipment and conduct research in the specific areas. Funding are also received from social welfare trusts. These funds are used for providing scholarships for the economically poor and bright students and also for supporting students' projects and for providing incentives for students and faculty achievements.

Optimal Utilization of Resources

The Institute has a well-defined procedure to monitor the effective and efficient utilization of available resources for infrastructure development and teaching learning process. Adequate amount of funds is allocated and utilized for maintaining cleanliness and for making the campus greener. Institute also invests necessary funds for solid, liquid and e-waste management systems.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/Budget_Proposed_Sanctioned_Expenditure%20_2021-22.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

Strategy 1

Implementation of Institute Industry Interaction Policies

1. Industrial Visit Policy

The IQAC of AACET has implemented the policies for industrial visit and internship for enhancing the quality of the companies visited during the industrial visit and the internships attended by the students. While selecting the companies for industrial visit, the following factors need to be taken into consideration before finalizing the industrial Visit as per the new industrial visit policies:

1. Selection of companies
2. Recommendation from HOD
3. Duration for Industrial Visit
4. Code of Conduct
5. Grading of students

2. Internship Policy

Internship policy describes the terms and conditions for selecting the company for internship, its Duration, Eligibility, internal faculty supervisor allocation and the expectations and the outcomes at the end of the internship.

Strategy 2

Implementation of Google classroom and Proctor card audit policy

Google Classroom Audit:

Due to the effective measures taken by the IQAC online teaching Learning Platform GCR has been successfully implemented across all the departments for all the courses. In order to ensure the quality of the Google classroom, an audit for google classrooms has been initiated with effective from the academic year 2021-2022.

Proctor Card Audit:

Mentoring system is one of the best practices that is followed in our institute. In order to monitor the mentor's interaction with the students and their parents an audit has been introduced to cross check various information's that are being recorded in the proctor card.

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.5.1_IQAC_Strategies.pdf
Upload any additional information	View File

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

Google Classroom Audit

Every teacher creates Google Classroom before the commencement of the semester. In order to ensure the quality of the Google classroom, an audit for google classrooms has been initiated with effective from the academic year 2021-2022. IQAC organizes regular google classroom audits to ensure effective implementation of teaching learning process. Audit of Google Classroom for the following:

- Course Plan
- Quality of Lecture Notes
- Internal Question Bank, Question Paper and Answer Key
- Assignment Question and Answer Key
- Innovative Teaching Methods
- Text Books and Important Resources etc.,

Proctor Diary Audit

Each faculty plays the role of mentor for a group of 10 to 20 students. Each mentor maintains and updates the Proctor diary and Student Portfolio which records the detailed progress of the student. Conduct periodic meetings with their students and constantly monitors, encourages and motivates the students in all academic activities. Proctor Diary Audit is carried out at the end of every academic year to ensure the quality in mentoring system. The proctor diary audited by faculties from other departments.

Audit of Proctor diary for the following:

- Personal details

- **Internal Test Marks**
- **Attendance details**
- **Counseling details**
- **Parent Interaction details, etc.,**

File Description	Documents
Paste link for additional information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_6/6.5.2_IOAC_Reviews.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality 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	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/Annual_Day_Report_2021-22.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The policy guidelines of AACET in admission, recruitment and administration ensure that the students, faculty and staff members are treated professionally well without any gender discrimination. Equal participation of boys and girls in teaching learning process and co-curricular and extra-curricular events is ensured. Gender balance in faculty members is maintained through priorities to women in leadership positions as HoD, Placement coordinators, Cell Coordinators etc., Women's Day is celebrated every year and inspiring women personalities are invited. Grievance Redressal Committee and Women's Empowerment cell provide a convenient platform for students to represent their issues.

Enough number of security personnel ensures the safety and security of the campus and the students. Girl students who are staying in the Hostel are given special attention in safety regards. Vehicles and people entering the campus are checked at all exit and entry points. Visitor register is maintained in the main gate and hostels.

Every faculty is allotted 15-20 students for effective student personal counseling and mentoring. Our counseling system provides support to the girl students and envisages them to realize and resolve their problems.

Separate common rooms are provided for boys and girls. Well-furnished separate hostels for boys and girls are available in the campus.

File Description	Documents
Annual gender sensitization action plan	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/Annual_gender_sensitization_action_plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.aaaenggcoll.ac.in/NAAC/AQAR_2021-2022/criteria_7/criterion_7.1.1-facilities.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the

B. Any 3 of the above

**Grid Sensor-based energy conservation
Use of LED bulbs/ power efficient
equipment**

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

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

AAACET has a strong waste management system. The paper wastes, plastic wastes, food wastes, wastes from canteen, hostel kitchen etc., are segregated into biodegradable and non-biodegradable wastes.

Solid wastes are processed through vermicomposting process and used as manure for the plants/trees in the campus. The recyclable waste papers are collected and periodically sent for recycling. One sided papers are re-used by the faculty/staff for documentation. Non-biodegradable waste such as metals and other scraps are comparatively less in our campus.

The RO plant installed in the campus caters the drinking water needs. Sewage watertreatment plant in the campus has a capacity to process 20,000 liters/day. The treatment process is designed on the principle of activated sludge process with ultra filtration. Treated waste water is used for gardening and other activities and the collected sludge is used as manure for plants/trees.

Bio-medical wastes such as sanitary napkins are disposed through eco-friendly napkin incinerators. Usage of hazardous chemicals and radio-active materials are restricted inside the institute. The UPS batteries are often replaced with the new ones and the old batteries are recycled. Out-dated computer systems in working conditions are sent to nearby schools' usage to minimize the e-wastes generated in the campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://www.aaaenggcoll.ac.in/NAAC/AOAR_2021-2022/criteria_7/criterion_7.1.3.pdf
Any other relevant information	View File

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

<p>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</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

<p>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

The institute is proactively taking efforts in providing an inclusive environment. Our objectives are to promote better education, to provide economic support for the needy and to set communal harmony. Minority/SC/ST scholarships are provided for economically poor and eligible students to promote their education. AACET promotes universal values, communal harmony, and tolerance towards cultural, regional, linguistic diversities through apt forums. NSS/YRC/UBA and Rotaract club organize various events in the neighborhood such as medical/blood donation camp, eye check-up camp, vaccination camps and various awareness programs too. Motivational programs are also being conducted for the benefit of surrounding school/polytechnic/college students. These activities create an inclusive environment by bringing students and teachers with diverse background on single platform for creating inclusive environment and also help in developing tolerance harmony towards culture, region and linguistics and communal social economics and other diversities. The subjects on human rights and professional ethics are included in the curriculum. National/international days, anniversaries of great leaders are commemorated in the institute. To inculcate unity and diversity, various religious festivals such as Deepavali, Pongal, Christmas and Ramzan are celebrated. Students and faculty expose their communal, religious and linguistic diversity in various technical and cultural events conducted by the institute.

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

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

AACET celebrates Republic Day every year on 26th January with great gratification to honor the date on which the Indian constitution came into effect. This day highlights the importance of the constitution. Numerous personalities deliver

their speeches on the significance of preserving constitutional rights and values. Independence Day is celebrated on the 15th of August every year to mark the importance of freedom, on this day, Flag hoisting ceremony is organized followed by the recitation of National Anthem.

AAACET organizes several programs such as election awareness, eye/medical camps, vaccination camps, plastic awareness, environment & pollution awareness etc., through its NSS, YRC, Rotaract club and UBA that are aimed at the promotion of various constitutional rights, duties, and responsibilities of citizens for the students and the employees of the institute. A voter's pledge programme is organized on 25th January of every year for students and all employees to create awareness about the fundamental rights and responsibilities.

Courses on human values and professional ethics are included in the curriculum to inculcate human values and responsibilities to students. Women's empowerment cell in the institute organizes various gender equity programmes for girl students and women employees to know their constitutional rights.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

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

4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

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

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

To maintain harmony and healthy work atmosphere and to make the stakeholders aware of the national pride and rich cultural heritage of India, the National/International commemorative days and festivals are regularly celebrated and observed in the institute.

The institution celebrates Days of National and international importance through its NSS unit and various clubs every year. The contributions of Dr. S. Radhakrishnan are recollected on Teachers Day on 5th September. As a tribute to the great Indian Engineer, Bharat Ratna Dr.Mokshagundam Visvesvaraya, Engineer's day is celebrated on 15th September to recognize the achievements of Engineers. Innovation Day is celebrated on 15th October to mark birth anniversary of Dr.A.P.J.Abudul Kalam. Gandhi Jeyanthi is celebrated on 2nd October to mark the birth anniversary of Gandhiji.

Independence Day and Republic Day are celebrated every year with great enthusiasm and patriotism where faculty members and students pay tribute to all freedom fighters who sacrificed their lives in order to gain the freedom of India. Various religious festivals such as Vinayaka Chaturthi, Saraswathi pooja, Diwali, Christmas, Ramzan, Pongal etc., are celebrated in the campus every year.

International Women's Day and International Day of Yoga is celebrated in our campus.

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

7.2 - Best Practices

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

1. Title

1. Professional Skill Development
2. Mentor System for the students

2. Objectives

1. Enrich student's technical and communication skills and leadership qualities.
2. Motivate and counsel the students to excel in academics.

3. Context

1. Designed for the students to excel in developing cost-effective solutions for real-life problems and societal needs.
2. Mentors interact with students and parents to improve the student's learning ability.

4. Practice

1. Professional skills are developed through various certification and value-added courses, organizing guest lectures, seminars, workshops, industrial visits and symposium.
2. Mentors periodically conduct meetings with students and Counsel/advise them regarding their academic performance, choice of electives, project works, internships, in-plant training and their career development/professional enhancement.

5. Evidence of Success

1. Success of professional skill development programmes is reflected in final year projects and jobs received in software/Core companies.

2. Fast learners are placed in reputed companies with higher salary package. Slow learners attend the classes regularly and cleared their arrear subjects.

6. Problems encountered and resources required to implement the practice.

No problems are encountered.

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

Professional Laboratories:

AAACET has signed MOU's with various reputed industries/organizations and established industry based professional laboratories/centers to enhance the industry institute interactions activities in the campus and in placements etc.,

E-Yantra Robotics laboratory in association with IIT Mumbai was established to train the students on robotics and to create the next generation of embedded and robotic systems engineers.

AAACET established the Center for Excellence - CAR with an aim to develop effective and efficient training programs and seminars in association with Robert Bosch GmbH in the field of automobile engineering.

Industrial Internet of Things (IIOT) laboratory in AAACET was established to enable students understand and design industrial devices and systems using IOT.

Texas Instruments Innovation laboratory has been established to provide training on advanced embedded systems and advanced signal processing technology for faculty/students.

National Instrument's Virtual Instrumentation laboratory has been established to provide training for faculty/students in virtual instrumentation concepts, Control systems and data acquisition systems.

AWS Cloud Computing facility has been established in the campus to enhance student's skills and knowledge in the cloud computing platform.

AAACET established a professional laboratory on Oracle Primavera, a project management system in the year 2018 in association with Infinity PMC Pvt.Ltd.

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

7.3.2 - Plan of action for the next academic year

Future plans of the institute are primarily based on inculcating quality culture in the campus. Pre-Qualifiers for NBA accreditation for the following departments 1. Computer Science and Engineering 2. Electronics and Communication Engineering and 3. Mechanical Engineering have been submitted and it is planned to submit the Self-Assessment reports for the to NBA for the above-mentioned departments. It is also planned to start new UG courses in CSE department after getting accredited by NBA. Institute is also in the process of participating in the NIRF India Ranking and ARIIA Ranking. Laboratory equipment's needed for various laboratories across all the departments as per the new 2021 regulations will be procured. Increase the number of publications in UGC-CARE List Journals. Additional new Books, magazines and journals for the central library will be subscribed. It is planned to organize events related to entrepreneurship development for both faculty and students. Institution is encouraging faculties with more than five years of experience to register for Ph. D to have a greater number of doctorates in all the departments. This will also enable the departments to start research centers. Various awareness programs and training programs for the school

students will be conducted. New bus routes will be operated for students commuting from long distances. More placement drives will be provided to increase the job opportunities for the students. In the conclusion, the institution will disseminate astonishing development in all aspects in a meticulous way.