



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		ANNAPOORANA ENGINEERING COLLEGE
• Name of the Head of the institution	DR . A . ANBU CHEZIAN	
• Designation	PRINCIPAL	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	9442000648	
• Alternate phone No.	9442000648	
• Mobile No. (Principal)	9362104512	
• Registered e-mail ID (Principal)	principalaecsaalem@gmail.com	
• Address	NH-47 SANKARI MAIN ROAD, PERIYASEERAGAPADI	
• City/Town	SALEM	
• State/UT	TAMILNADU	
• Pin Code	636308	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	18/08/2022	
• Type of Institution	Co-education	
• Location	Rural	

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	DR. S. SUBHASHINI				
• Phone No.	9360459000				
• Mobile No:	9360459000				
• IQAC e-mail ID	subhashine81@gmail.com				
3. Website address (Web link of the AQAR (Previous Academic Year))	https://aecsaalem.edu.in/pdf/NAAC%201/AOAR%2021-22.pdf				
4. Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://aecsaalem.edu.in/academic-calendar/				
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.04	2021	02/02/2021	01/02/2026
6. Date of Establishment of IQAC			07/07/2017		
7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
DEPARTMENT OF ECE AND AUTOMOBILE ENGINEERING	STUDENT FUND	TNSCST	10/01/2023	7,500 +7,500	
8. Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9. No. of IQAC meetings held during the year	2				

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
1. Getting NBA Accreditation for 3 UG Programs 2. Applying for NIRF Ranking 2022 3. Applying for ATAL Ranking 2022 4. Proper conduct of all department BOS meetings, Academic Council Meetings, Governing Body Meeting, Result Passing Board Meeting, etc.. 5. Getting of Research Grants from Funding Agencies		
Nil		
12. Plan of action chalked out by IQAC at 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	
NBA Accreditation for 3 UG Courses	Received NBA Accreditation on 11.10.2022 for 3 UG Courses namely Civil, CSE and EEE	
13. Was the AQAR placed before the statutory body?	Yes	
<ul style="list-style-type: none"> Name of the statutory body 		

Name of the statutory body	Date of meeting(s)
GOVERNING BODY	02/12/2022

14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> • Year 	

Year	Date of Submission
2022-2023	28/02/2023

15. Multidisciplinary / interdisciplinary

NEP's main objective is to improve the education system by making it inclusive, integrated, multidisciplinary and more productive. To provide high quality education and to develop human resources in our nation as global citizens, which is vision of National Education Policy, is well taken by the institute. A discussion among the faculty members were initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision making and innovation, critical thinking and creativity. The Institute promotes start ups and innovation in it's campus. Engineering Exploration and Design project is included in the curriculum to develop multidisciplinary approach. Looking to Global Scenario, Engineering students should have knowledge of subjects from other branches and some advanced subjects of their respective branch in which they are pursuing the degree. Regarding the same, the institute has introduced Value added courses and Certificate courses to suite the growing industrial needs. There is also focus on language, humanities, management related course in the curriculum. Moreover, major project is added in the curriculum where in students are expected to do project in a group and work on project which may satisfy local, national, international social and industrial needs. While developing a project students use concepts and theories from multidisciplinary streams.

16. Academic bank of credits (ABC):

NOT APPLICABLE

17. Skill development:

The college has continuously offered opportunities for students to develop their skills in tandem with changing needs. Value added

courses align the curriculum with relevant industries to make them job - ready by the time they graduate. Furthermore, students' skills are further augmented by frequent interactions with alumni and industry experts. This enhances their preparedness for the world outside the college. Students are motivated to participate in extracurricular activities and organizing events, on and off the campus, to explore a number of qualities in their personality like Managerial skills/leadership skills, planning and enterprising skills, and interpersonal skills.

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

As a part of the NEP-2020 implementation, students are motivated to use SWAYAM platform for learning courses of engineering in regional languages. For better understanding of the courses, by the students from local language, the faculty members use Bilingual for Teaching purposes. The competencies like cultural awareness and expression among the students are developed by motivating them to participate in cultural activities. Through the Fine Arts Club of the College, the college motivate and promote students in shork film making and direction, multimedia, creativity and other fine arts related areas.

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

Institute emphasises on Outcome-Based Education (OBE) which is reflected in the curriculum design, teaching & learning process and assessment of the students. Learning by doing i.e. experiential learning is adopted in the curriculum which includes mini projects, major projects, internships, Inplant Training, Project Based Learning, etc. CO's are designed in such a way that these are mapped with program outcomes, program specific outcomes and are aligned with NEP policies. Institute has practice to incorporate various innovative tools like project based learning, problem based learning, ICT tools, collaborative learning and many more in delivery and assessment. After student's evaluation, all attainments of CO's, PO's and PSO's are measured and action plan is written to improve the respective attainment in the future.

20.Distance education/online education:

NOT APPLICABLE

Extended Profile

1.Programme

1.1	8
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	882
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	103
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	803
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	436
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	125
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	96
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	69
4.2 Total number of Classrooms and Seminar halls	43
4.3 Total number of computers on campus for academic purposes	485
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	625.79

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The effective implementation of Outcomes-Based Education (OBE) is crucial to ensure that our graduating engineers possess all 12 Program Outcomes (POs) defined by the National Board of Accreditation (NBA). Each program specifies 3 Program Educational Objectives (PEOs) that are evaluated through alumni performance. The website www.aecsaalem.edu.in displays the PEOs, Program Specific Outcomes (PSOs), and POs for each department.

The institute's autonomy facilitates academic flexibility, allowing the introduction of new courses such as Data Analytics, Mobile Application Development, and Internet Security for Computer Science

and Information Technology graduates. Likewise, power electronics for renewable energy systems, wind energy conversion systems, solar and energy storage systems, energy management and auditing, non linear dynamics for power electronics circuits, smart grid are tailored for graduates in post graduate in power electronics and drives. Electronics and Communication Engineering (ECE). Mechanical Engineering students benefit from intra-disciplinary courses like Mechatronics and Additive Manufacturing. Civil Engineering students are exposed to advanced courses such as Green Buildings and Repair & Rehabilitation of Structures.

To enhance practical knowledge, various labs and centers have been established, including Oracle Workforce Development, IBM Workforce Development, Robotics Lab, Knowledge Center, SAAC Research Centre, E-Yantra, NI CDC, 3D Printing, Siemens Lab, Calibration Lab, and Civil Computer-Aided Design Lab.

The undergraduate (UG) and postgraduate (PG) courses are designed to support aspiring entrepreneurs, with the Entrepreneurship Development Cell (EDC) organizing workshops and seminars in collaboration with MSME India. Additionally, guest lectures and workshops are conducted to enhance knowledge and skill expertise.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC1/1.1.1.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

6

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

79

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

150

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

8

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institution aims to provide a curriculum that could address the cross-cutting issues like Environmental sustainability, Human Values & Professional Ethics, and Gender etc

Professional Ethics:

"Knowledge with Ethics" is the Engineers' prominent way to serve people of all strategy, for it could help them to analyse/decide the beneficials and disastrous for public. The curriculum includes a separate paper on Professional ethics for all students and guest lectures are given to students to instil moral, social and ethical ideas.

Human Values (Club Activities):

The Institution has formed an Anti-Ragging committee to create awareness on human rights. The committee addresses on ragging and gender criticism, which are the violations of fundamental human values and rights.

Women Empowerment Cell (Gender Equality):

To empower women socially, economically, politically and legally with a decision making potential, Women Empowerment Cell is organised. It conducts various skill development activities, arranges expert lectures by accomplished women to share their insights on work-life balance along with their roles and responsibilities.

Environment and Sustainability:

The booming exponential industrial growth and extensive energy demand leads to adverse consequences on climate. Thus an environmental issues related integrated curriculum is provided to nurture proper awareness among students about Global warming etc.

Our AEC NSS unit actively encourage the students to involve in tree plantations in and around college premises and yoga training for fostering social responsibility along with professional ethics.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

13

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1143

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

397

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained **A. All 4 of the above**

**from 1) Students 2) Teachers 3) Employers
and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://naac.aecsaalem.edu.in/2023/NAAC1/1.4.1.pdf.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://naac.aecsaalem.edu.in/2023/NAAC1/1.4.2.1.pdf.PDF
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

249

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

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

249

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 students' learning levels and organises special programmes for both slow and advanced learners.

Students enrolled in various disciplines are identified as slow and advanced learners based on their +2 marks and the entry-level test conducted by each department. The institution organizes induction programs for fresh UG students, which include objectives, benefits, and familiarization with OBE, online courses, value-added courses, industrial implant training, curriculum, co-curricular and extracurricular activities, mentoring, and campus tours. For continuous assessment, varied evaluations, including assignments, seminars, group discussions, online quizzes, and viva-voce examinations, were employed to test both quality and value.

Methodologies for Slow Learners

1. Individual counselling.
2. Remedial Classes
3. Short notes for easy learning.
4. Group discussion sessions.
5. Special Care during Internal examination process.
6. Provision of simple and standard lecture notes and course materials.
7. Bilingual explanation and discussions after the class hours for better understanding.
8. Group study systems are also encouraged, with the help of advanced learners.

Methodologies for Advanced Learners:

1. Guidance is given to apply for funded projects under TNSCST
2. Motivated to present and publish papers in conferences and peer-reviewed journals.
3. Training is given to clear competitive examinations like TNPSC, Bank exams, etc.,
4. Motivated to enroll in online courses like Swayam, EdX, Coursera, etc.,
5. Training is given on advanced technologies like cloud,

Bigdata, AI through ICT Academy and Honeywell.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC2/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
25/10/2023	882	125

File Description	Documents
Upload 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:

Experimental Learning:

- The faculty members are motivated to handle their regular classes using models that are engaged in the learning process, whereby students “learn by doing” and by reflecting on the experience.
- Project-based learning and internships help students develop interpersonal skills and make them industry-ready.
- Field visits arranged by individual departments minimize the gap between institutional and industry concepts.

Participative Learning

- Seminars, guest lectures, workshops, conferences, and alumni interactions provide varied learning experiences for the students.
- Mock interviews and management games improve the confidence and managerial skills of the students.

Problem-Based Learning

- The students are encouraged to do the projects and display them in the project expo every year on Engineers Day.
- Students actively explore real-world problems, implement them as project models under the guidance of faculty members, and acquire deeper knowledge.

Advanced Learning Methods

- Camu is an integrated learning management solution system that helps students and educational institutions streamline the entire course using the Camu software. Each student has an individual ID.
- The student can download their course materials, question banks, question papers, assignment questions, lesson plans, etc. using the Camu application on their mobile phones.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://naac.aecsaalem.edu.in//2023/NAAC2/2.3.1%20final.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

ICT-enabled tools for an effective teaching-learning process: To be corporate-ready, students must learn and grasp the latest technology. Colleges use information and communication technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the Institute of ICT Tools:

1. Projectors are available in every classroom or lab.
2. Desktops are arranged at the lab and faculty cabins all over the campus.
3. 7 smart classroom facilities are available on campus with smart touch facilities.
4. Printers: They are installed at labs, HOD cabins, and all prominent places.
5. Photocopier machines: multifunction printers are available at prominent places in the institute.
6. Scanners
7. Seminar rooms with digital facilities.
8. Smart Board.
9. Auditorium: It is digitally equipped with a microphone,

projector, cameras, and computer system.

10. Online Classes through Zoom, Google Meet, Microsoft Team, and Google Classroom
11. MOOC Platform (massive open online courses)
12. Digital Library resources

Use of ICT by Faculty

1. PowerPoint presentations
2. Industry Connect
3. Online quiz
4. Video Conferencing
5. Video lecture
6. Online competitions
7. Workshops, seminars, and conference rooms are digitally equipped where guest lectures, expert talks, and various competitions are regularly organized for students.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://aecsalem.edu.in/gallery/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

85

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Calendar

- At the beginning of every semester, the principal, in consultation with the HoD's, prepares the academic calendar

common to all the departments, which is displayed on the department notice board. This calendar includes the date of the internal examination schedule, the monthly holidays, and the schedule for other major activities in that particular semester.

- Based on that, each department frames its own academic calendar and timetable for every semester.
- The departmental academic calendar includes details of the commencement of classes, schedule for various programmes to be conducted, the internal examination schedule, Number of working days with day order, list of holidays and the tentative schedule of end-of-semester examination, etc.
- The entire co-curricular and extra-curricular activities are planned in the academic calendar.

Teaching plans

- As per IQAC suggestions, faculty members prepare the lesson plan before the commencement of the class work, and it is approved by the head of the department.
- Detailed unit-wise lecture plans, learning resources, teaching aids, and delivery methodologies are recorded in the lesson plans.
- To ensure that teachers adhere to the scheduled lesson plan, lesson plans are submitted to the principal every month.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

125

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc /

DLitt during the year

33

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

467

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

74

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

IT integration and reforms in the examination procedures

AEC carries out reforms in its examination procedure through the integration of IT. The curriculum of different programmes is incorporated into the outcome-based education structure, and the evaluation pattern is modified accordingly. It helps the institution in terms of assessing the different levels of knowledge of the learners based on the revised Bloom's taxonomy. This structure facilitates adopting required changes in the teaching and learning process and also knowing the outcome levels of the learners in the evaluation process.

Mark entry, grade, percentage, and cumulative grade point average (CGPA) preparation and analysis of results are done using CAMU software. The payment of the examination fee has been upgraded to online mode through the college website. Effective use of tools, information, and technology is utilized for all the activities associated with the conduct of examinations and the declaration of results. IT integration has helped in modernizing the entire examination process and has speeded up its functioning. At the same time, we have configured a self-service portal (myCAMU) for all the students to access their academic performances. There are a lot of unique features available in CAMU. Camu was tested properly and received a good output.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://aecsalem.edu.in/about-coe-office/

2.6 - Student Performance and Learning Outcomes

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

POs, PSOs, and COs are formed by considering the vision and mission statement of the college and the syllabus content. COs and POs are framed by the heads of the department after a discussion with the subject handling faculty along with subject experts. The POs and COs are available in the course file prepared by the faculty member while mapping with POs, the faculty can clearly understand the course outcomes accordingly and prepare the lesson plan, etc.

- POs and COs for all programs and courses are displayed on the institute website, classrooms, laboratories, and verandas of college for reference.
- The POs and COs are also mentioned on the blackboard Faculty members refer to the syllabus to understand POs and COs thoroughly before delivering the courses to students and are also present in the continuous internal examination question papers and answer booklets.
- They are also made reachable through faculty members, student awareness workshops, and student induction programs.
- The course outcomes and attainments are measured through the Blooms taxonomy. A result analysis of each course is carried out to indicate the percentage of students falling into different categories of CGPA obtained and to ensure the attainment of course outcomes.
- Feedback from the stakeholders for the attainment of COs is collected.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://aecsaalem.edu.in/civil-engineering/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The attainment of course outcomes is assessed by considering the following two categories of marks:

Direct Attainment

1. Internal Assessment Marks

2. End-of-Semester Examination Results

The internal assessment mark for the theory is the average of the three internal assessment examinations. The course outcomes are framed by the respective faculty members and HOD with the help of an expert. Subject-wise, CO attainment level is calculated by adding 20% of the final internal assessment attainment level (given in the table) with 80% of the end-of-semester examination attainment level for each subject. Thus, the average percentage of students attaining the entire COs determines the CO attainment level.

Attainment Level

Students pass percentage

1

50% to 60%

2

61% to 70 %

3

71% and above

Indirect Attainment

1. Students Exit Survey

Indirect attainment is found from student exit surveys about the program and is conducted by providing the PO's and PSO's as questionnaires to the outgoing students by giving them three grade points. Indirect attainment is 20% of the weightage of each PO's and PSO's. Attainment level of 80% directs method, which includes 20% internal assessment level, 80% end-of-semester attainment level, and 20% indirect method is the PO's and PSO's attainment.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC2/2.6.2.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

89

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://naac.aecsaalem.edu.in/2023/NAAC2/2.6.3.pdf

2.7 - Student Satisfaction Survey

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

<https://naac.aecsaalem.edu.in/2023/NAAC2/2.7.PDF>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Research is the most cornerstone of Knowledge, which creates cutting edge facilities, encourages researches Publications foster collaboration and become a part of vibrant community that supports institutions vision and Mission. R& D activity aims in creation and dissemination of new knowledge network, Encourage Innovation and they will simulate both faculty and students.

Research Promotion Policy :

All the Faculty members are motivated to do research in Science ,Engineering and Technology. Faculties with master degree are allowed to do Ph.D. under part time mode in Anna university or any other university. Research Co-coordinators allocated for each department to apply proposal for funded projects and make faculty members to do a Conference and proposal per year. Faculty members are insisted to

publish Patents, books and journals in Springer, IEEE Scopus. The Management will provide Seed Money for the research. Faculty members are encouraged to undergo relevant certificate courses on innovation product development, Entrepreneurship and IPR. All Faculties are motivated to do consultancy work to the respective company/ industries with required facilities. Students are allowed to work in incubation center of each department and also do msme IEEE projects and displays. Sponsors will be also given to faculties in addition for doing their research projects in collaboration with the students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://aecsaalem.edu.in/product-development-centre/
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

107500

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for

advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

5.7

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

6

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC3/3.2.2.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

1

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.tanscst.tn.gov.in/ http://algojaxon.com/swargalightingsolutions@gmail.com http://www.maxcadd.com/siraguassociates@gmail.com http://www.maxcadd.com/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Annapoorana Engineering College (AEC) developed an environment for innovation including an Incubation Centre and other initiatives to convert knowledge into application. AEC has established Intellectual Property Rights Cell in the year 2014. We have conducted various events, FDPs to create awareness about Intellectual Property Rights, particularly the idea of entering in to patent registration. We have awarded the students for best innovation with the collaboration with Institute Innovation Council. KAPILA has also been implemented in our college.

Activities of IPR

IPR provide certain exclusive rights to the inventors or creators of that property, in order to enable them to reap commercial benefits from their creative efforts or reputation. There are several types of intellectual property protection like patent, copyright,

trademark, etc.

The primary function of intellectual property rights (IPRs) is to protect and stimulate the development and distribution of new products and the provision of new services based on the creation and exploitation of inventions, trademarks, designs, creative content or other intangible assets.

Intellectual Property Law includes patents, copyrights, trademarks, and trade secrets. All of these areas are related in that they deal with protecting products of the mind but in other ways they are very different.

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

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

10

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

C. Any 2 of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

0

File Description	Documents
URL to the research page on HEI website	https://aecsaalem.edu.in/mechanical-engineering/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

30

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

30

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aecsaalem.edu.in/book-publications/

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

17

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

2

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.19

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Annapoorana Engineering College, very effectively coordinate different programmes like, Blood Donation Camps, International Day against Drug Abuse, International yoga day Celebrating, Pongal Celebration, Tree plantation, etc. Dr. A. Anbuchejian welcomed all the participants and initiated the proceedings for the awareness of the celebrations, this programme is arranged by Dr. B. Ramesh, Head / ECE and Mr. M. Govindaraj, AP/Mech. In order to address this shortage, the Annapoorana Engineering College NSS students organized a Blood Donation Camp in collaboration with VIMS Hospital. The aim of this year's campaign is to raise awareness about the importance of treating people who use drugs with respect and empathy. Our Yoga

masters Shri. Kalaiselvi and Thiru Palani from "SKY Yoga for Human health" led the session. They have given information regarding Yoga day and the importance of Yoga. It was interesting to note that all the participants came in their traditional dress. Sweet Pongal was cooked and distributed to all the staff & students. Every man needs the oxygen for their life and Trees are the foremost source of oxygen as well trees help to reduce the level of Co2. As we all know that the whole world is facing the problem of global warming and to recover from such problem planting the trees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC3/3.6.3.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

2

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

7

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

817

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

228

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

7

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

Annapoorana Engineering College has adequate infrastructural facilities and follows the norms laid down by AICTE and Anna University for creating and enhancing the infrastructure facilities for effective teaching and learning. Total area of our institution is 13.94 acres. The Institute has sufficient Smart-Class Rooms (40-Nos), Tutorial Rooms, , seminar-halls , various department

laboratories, library with ILMS, and 150 Mbps internet facility including Wi-Fi, Auditorium, Rest Rooms, Staff cabins, HOD cabins attached with Office and Department Library. The College has Placement Cell, Training Division and Industry-Institute Partnership Cell. The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, cocurricular activities/extra-curricular activities, parent's teachers meeting, training classes, board room, campus recruitments, seminars, conferences etc.,

Computing Equipments / Computing Facility/ Drawing Halls/Auditorium

Our College has ten computer laboratories with 485 computers connected through Wi-Fi/LAN with more than 150 Mbps internet speed. Our College has sufficient number of drawing halls with drawing tables for accessing students. Our College has 3 airconditioned Seminar Halls with adequate smart audio /video systems. Our College has library with area of 900 Sq. m, e-Governance facilities with collection of 22361 books. Library is facilitated with DELNET and NDL membership, NPTEL, e-Journal, e-Shodhsindhu, Shodhganga Membership, Springer open & e-books

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC4/4.1.1.pdf

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

Annapoorana engineering college has adequate facilities for sports, games (Indoor-outdoor), Gym, Yoga centre, Club and cultural activities. The college was always enthusiastic and encourages the students to actively participate in games and sports apart from the academics. College frequently conducts sports and games on their own interest. Sometimes there is a participation of outside funding bodies by conducting sports meet, refreshment programs to provide a physical relaxation for the students. The college has enough playgrounds for physical activities and cultural activities.

The institution has a well-established 35839 sq.m playground.

Institution has physical Director to train both boys and girls. Specific sporting events held on the sports day every year. Institution encourages our students to take part in university, district and state sports & games.

The institution has many cultural activities, such as group dance, skits, MIME, debating, face painting, drawing, etc. The college also organizes every year Annual Day function where students engage with enthusiasm and enhancement in many cultural activities.

There are many clubs running under Students Union of our college.

The Institute has various clubs so students are eagerly conducting and participate many events such as blood donation camp, Eye donation, Medical Camp and Clean India. Personality and Character Development programmes exclusively for first years are organized by Clubs.

Medical facilities are available on campus for the benefit of staff and students with 24 Hrs Ambulance Service.

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

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

40

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

185.39

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Response

Annapoorana Engineering College Central Library is established with an area of 900 sq.m. The seating capacity of library is 200 Nos at a time. It functions with by providing various Text Books, Reference Books, e-Books, National & International Journals, Newspapers & Magazines, E- Journals and Databases. It provides many services like as Circulation, Reading Room facility, Reprography, Digital Library service, CD, Web OPAC, Reference services, News paper Clipping Service CAS, NPTL Videos Etc..

Electronic Resource Management package for e-journals

The library subscribes to DELNET package. A well-equipped Digital Library with 15 computers having Internet connectivity is accommodated in the Library for access to E-Resources. As the access facility to e-journals is available the students can use the E-Resources from anywhere in the campus.

Library is automated using Integrated Library Management System (ILMS): Yes

Name of the ILMS Software : SOUL (2019 Nov)

Nature of Automation (fully or partially) : Fully

Version : 3.0.0.4

Year of Automation : 2019

Automation

The College Library is fully automated. We are used AutoLib Software for our library from 2010 to Nov 2019. Now SOUL (Software for University Library) has been installed with the following main modules for the library in-house operation using Barcode Technology:

- Acquisition Control System
- Bibliographic Control System
- Circulation Control System
- Serial Control System
- OPAC (Online Public Access Catalogue)
- Gate Entry Monitoring System (GEMS)

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

4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

14.56

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

145

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Our institute aims at providing upgraded facilities to staff and students. The systems are upgraded and necessary software is procured based on the syllabus. Presently 14 computer centres are available with 485 computers. A total of 40 Classrooms have been equipped with LCD projectors which are implemented with audio visual systems. Smart Interactive Board class rooms are available for each department. We have 3 seminar halls equipped with Smart Interactive Board with audio and high speed net facilities. The entire campus is monitored by CCTV facility. Our college having Library Software named SOUL (version 3.0.0.4), for administration and OPAC. The college is facilitated with 485 computers that are accessible to the students. The college has 150 Mbps internet connectivity (with wired and Wi-Fi hotspots with extenders). All computers in the campus are connected to the internet. The Wi-Fi facility is enabled in the college by installing controllers and Access points. The entire campus including Hostels has Wi-Fi connectivity for laptops and other devices. The Institute has the ERP (CAMU) system, which provides the facilities like student administration, staff administration, payroll system, Inventory management, Academic monitoring, COE functions etc. The Internet bandwidth is upgraded time to time as per requirement and the technology is also

constantly updated.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
883	485

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: B. Any three of the above

Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

625.79

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Our management has developed systems and procedures for maintaining support facilities.

Before the beginning of the academic year, a laboratory audit is carried out and a report is prepared on the requirements as per the university guidelines for conducting experiments. Regular inspection of machines is organized.

The librarian maintains the issue registers to monitor the book circulation among students and staffs, using book circulation register or SOUL. Books stock register is properly maintained and auditing of books is performed annually.

The computer hardware and software, printers, WIFI, ICT Class rooms and LAN connectivity are supported by CSE department with system admin. If maintenance/ service identified is external, getting approval from Principal the necessary action is taken.

Class rooms, Interactive classrooms and Tutorial classrooms are offered to students and well maintained. The Director of Physical Education guide the training and participation of students in various sports activities. The Students are allowed to use sports materials through the register in sports room. In case of any damage observed, the same is recorded in the register pending further action.

The electricity related repairs and maintenance, water availability, plumbing works and infrastructure for rainwater harvesting are taken care by the maintenance department.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

684

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1062

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities
Soft Skills
Language and Communication Skills
Life Skills (Yoga, Physical fitness, Health and Hygiene)
Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://naac.aecsaalem.edu.in/2023/NAAC5/5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

848

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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

92

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

5.2.2 - Number of outgoing students progressing to higher education

15

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

1

File Description	Documents
Upload supporting data for students/alumni	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 and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Anti Ragging Committee:

This committee looks of any ragging issues within and out of the campus. This committee consists of the Management representative, principal, HoDs, AO, and student representatives from all departments.

Library Advisory Committee:

Student's role in library committee is highly commendable since they recommend the books and journals.

Sports committee:

This Committee is constituted with Physical director, supportive staffs from departments and students from all branches. Student players take the lead role in organizing periodical and occasional sports and games competitions.

IQAC:

This cell consists of with principal as chairperson, external members, internal members, student representative to build and ensure a quality culture, with flexibility to meet the diverse needs of the stakeholders.

Research, Innovation, Incubation and Funding Committee: .

Create awareness among faculty members and students about writing article/books and publishing paper in reputed journals and conferences. Motivate faculties innovate and do project work along with students.

Examination Cell:

Examination notices received from the Controller of Examination, Anna University, Chennai are duly served to all concerned. .

Preparation for smooth conduction of Internal and University Examinations, preparation of Time table, Invigilator duty chart, Seat allotment in the Examination halls etc and documenting the same.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC5/5.3.2.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

3

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association: The college has an alumni association named Annapoorana Engineering College Alumni Association. This was registered in 2019 with register number of SRG/Salem East/118/2019, dated: 04.12.2019.

The AEC alumni meet is conducted in campus every year to share their experience and industrial exposure to the students. The Institution organizes special lectures wherein the alumni are invited by each department to enable them gain the field exposure, technical skills, employment and entrepreneurship skills.

The alumni are included in discussions in the form of acting as member in Board of studies, Research, Innovation, Incubation and funding committee and Department Advisory committee. On their own interest, the alumni as a group or batch wise make contributions to college

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC5/5.4.1.pdf

5.4.2 - Alumni's financial contribution during the year C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

VISION

Excel as one of the renowned engineering institutions and achieve greater recognition.

MISSION

- Recognition through quality education, research, consultancy, and innovation in education.
- Provide students with the basic and advanced engineering knowledge, interdisciplinary problem solving skills, societal and business issues and self-confidence to excel in their professions and be leaders in the Global environment.
- Maintain a collegial, supportive, and diverse environment that encourages our students, faculty, and staff to achieve and compete to the best of their abilities.

The nature of governance, perspective plans and participation of the teachers in the decision making bodies.

- Principal, Academic Director, HoDs, faculty improve the quality of the institution with the support of the Top Management.

- To develop and review the progress, the institution conducts regular meetings. The information gathered from the Stack Holders gathered as feedback to draw the quality approach.
- To prepare the academic calendar, an Academic Council meeting will be conducted in the presence of Principal, Academic Director and HoDs.
- Periodical meeting is conducted by the Principal with HODs and faculty to equip the Laboratories and to monitor the progress of the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.1.1.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Annapoorana Engineering College thoroughly has faith in well defined decentralization and participative administration in each aspect of institute working. The college has an organization structure that incorporates Governing Body, Principal, Vice Principal, Academic Director, HoD, CoE, faculty members, and nonteaching staff and other various committees.

The Governing Body is in charge of arranging the establishment, guaranteeing organization execution and managing risk and responsibility. Work plan to the faculty is assigned through HOD's and will be regularly verifying the syllabus coverage.

Programs related to empowerment of students & staff can be organized by the HOD's. The head of department conducts, monitors the department activities, conducts intermittent gatherings of all separate staff members actively engaged in handling academic activities in the department. Head of the department take proposals from the faculties for advancement of the academics and administration and forward the same to the college administration. Also the students are involved to certain extent in decision making. Students are taking decisions related to the functioning and their roles in student committee. The participative culture guarantees straightforwardness in both academic and organization. The object of

participative administration and decentralization is clear from the various programs organised in the college

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.1.2.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institution has a perspective plan based on the vision and mission of the college for a period 2022 to 2023. Our development through lateral thoughts of ICT based teaching- learning process to improve the quality of programs and institution.

The institute has following perspective/ strategic plans effectively deployed for the year 2022 - 2023:

- 1) NBA accreditation for Civil, CSE and EEE on 12.08.2022.
- 2) Autonomous status for 5 years on 18.08.2022.
- 3) NAAC AQAR 2020-2021 was resubmitted and finally approved and acceptance received on 05.04.2023
- 4) Institution Innovation Council (IIC) is established at Annapoorana Engineering College during 2022 to 2023.
- 5) The 8th Convocation was held on 05.11.2022
- 6) Research & Development Center was applied by the Department of Mechanical Engineering
- 7) Board Room ,New Laboratory Complex, Class rooms for new courses & Boys Hostel 2nd Floor was constructed
- 8) Synthetic Rubber Paneling for Basket Ball Ground

- 9) Awarded Student's project from TNSCST
- 10) Applied for MSME business incubator -Project submission.
- 11) Annual Day & Sports Day were conducted on 12/04/2023 & 13/04/2023
- 12) Alumni Meet was conducted on 07.05.2023.
- 13) Establishment of Apple Innovation Center - 17.04.2023

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.2.1.pdf
Upload any additional information	View File

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

Annapoorana Engineering College was established in the year 2010 by Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical, Educational & Charitable Trust (TKVTSSMEC TRUST), a Charitable and Educational Trust was started in the year 1981 with an objective to provide educational help, medical relief and public service. The Trust of the institution is ably supported by the Governing Body in introducing matters of Policy, Planning and Development of the Institution. Functions of the Governing Body: To organize the teaching and determine the teaching requirement in the college To monitor and evaluate the teaching programs in the college and suggest remedial measures. To appoint the Principal, HOD, the teaching and non-teaching staff on the recommendations of the selection committees constituted under the relevant regulations of the University To monitor faculty deployment and development, placement and industry-institute interacting activities in the institute/college and suggest remedial measures wherever necessary The functions of various bodies, Service rules procedures, recruitment and promotional policies as well as grievance redressal mechanism are given as additional information.

File Description	Documents
Paste link to Organogram on the institution webpage	https://naac.aecsaalem.edu.in/2023/NAAC6/ACAD/EMIC-SETUP-Ornogram.pdf
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.2.2.PDF

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Staff welfare defines as "efforts to make life worth living for workmen". Our institution provides various services, benefits, and facilities offered to employees, which include the perks and benefits provided to the employees of the organization apart from their regular salary or remuneration, the main motive of serving employee benefits services is to improve or enhance the employee's well-being. Staff welfare measures serve the primary objective of the our institution as enhances the relationship of the employer and the employees. Our organization should always treat employee welfare measures as their investment rather than an expense as satisfied personnel will always provide a satisfying result in return.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.3.1%20Institutional-Welfare-Measures.pdf

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

82

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

83

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

87

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has both Internal and External Auditing system. Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects. External Audit is done by the Statutory Auditors appointed by the Trust after 31st March of subsequent year. Budget proposal are created by Heads of various departments. Yearly departmental budget is proposed from all departmental Heads and various sections of the institution to the principal. The Principal along with consolidated departmental budget, prepares an Annual Organizational Budget. The consolidated annual budget is planned under careful consideration of the needs of all the departments and finalised by the Finance Committee. The college annual budget is then discussed in the Governing Body meeting and submitted to management for approval. The management reviews annual budget of the college and based on priority, funds are sanctioned. The budget review is done periodically. Reallocation of budget is also done in case of any unexpected needs. The consolidation of the budget has been completed and the annual returns are been submitted to Income Tax Authorities and to the other relevant authorities concerned.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.4.1.Income&Expenditure-and-Balance-Sheet(2022-2023).PDF

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

3.10

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Fund Mobilization: The major portion of the income for the college comes through Admission fee fixed by Anna University, Chennai. At the time of admission, the College collects the tuition fee, AICTE affiliation fee, miscellaneous and soft skills training fee. Further funds are mobilized from Bus fees, canteen utilization, fines from the students, Alumni Association, EDII and other funding agencies for conducting various activities and events. TKVTSSMEC Trust - Our parent trust offers a wholesome amount of rupees one crore every year, as scholarship to poor students. Further funds are received by the conduct conducts Government exams in the college. Optimal Utilization Construction of college buildings and infrastructural maintenance form major part of budgeted fund utilization by the college. The expenditures mainly consist of salary payments, infrastructural maintenance, transport maintenance, fuel, electricity, purchasing of library books, and other recurring expenses. Funds are also sanctioned in part for faculty members for attending events conducted in other colleges. The college allocates a wholesome amount every year to waste management and to maintain green environment. As per the yearly requirements, the college offers funds for conducting curricular, co-curricular, extracurricular activities and Awards for meritorious students and Faculty members.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.4.3%20IT-RETURNS-VERIFICATION(2022-2023).PDF

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC in any institution is a significant administrative body that is responsible for all quality matters. It is the prime responsibility of IQAC to initiate, plan and supervise various activities that are necessary to increase the quality of the education imparted in an institution or college.

Significant Contributions by IQAC:

1. NBA Accreditation for 3 UG Programs namely Civil, CSE and EEE - 11.10.2022
2. Received Autonomous status on 17.08.2022 for 2022-2023 onwards
3. NAAC - AQAR 2021-22 submitted after editions on 5.04.2023
4. Continuous evaluation of academic performance through the conduct of Academic & Administrative Audit twice in a year.
5. NIRF - 2023 was applied on 17.11.2022 for the year 2023
6. Signing MoUs with Top Companies for the conduct of events, training, placements, Industrial Visits, etc..
7. Conduct of BOS Meet by all departments, Designing of Curriculum and Setting Syllabus from 1-4 Semesters
8. Establishment of Apple Innovation Center - 17.04.2023

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.5.1.NIRF-2023-CERTIFICATE.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The main objective of IQAC is to ensure quality in academic and administrative activities. Following are the innovative processes adopted by the institution in Teaching and Learning:

1. Introduction of Value added courses & Certificate courses
2. Initiation of Outcome Based Education
3. Initiation of ICT tools for enhancing Teaching- Learning Process
4. Through Industry - Institute - Academia collaborations, guest lectures are arranged on advanced topics by Eminent Academicians and Industry experts
5. Feedback from stake holders are collected & corrective action are taken
6. Collaborations with other institutions for Utilization of faculty members, laboratories, Research facilities, external academic audits, etc..

IQAC Contribution towards effective Teaching & Learning processes are as follows:

1. IQAC organizes regular Academic and Administrative Audits once in a semester to ensure the implementation of teaching learning process and maintenance of course files.
2. Exams monitoring through Academic Committee and Exam Cell Coordinator.
3. Conduct of Remedial classes for slow learners
4. Soft skill training to suit the job needs of the students.
5. Mentor-Mentee allotments are introduced to help students overcome the challenges faced by them.
6. MOUs with Top companies for training and placements

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/CONDUCT_OF%20SPECIAL_COURSES.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://naac.aecsaalem.edu.in/2023/NAAC6/IQAC_ANNUAL_REPORT_2022-23.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

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

The institute values all faculty members equally, regardless of gender. Women faculty members, who have demonstrated the ability to lead departments, serve as committee chairs, and successfully carry out their duties are nominated for these positions.

Celebrations on International Women's Day, yoga sessions, athletic

events, and a seminar on dangers and safety. Seminar on the women's helpline programme and Motivational talk by a judge.

Eminent person from police department are invited to counsel the students regarding ragging, eve teasing and harassments during college events. For Safety & Security CCTV Cameras installed in class rooms and labs. Specific courses dedicated to gender issues. Training programs on Self-defense for girl students organized.

Well trained warden and Assistant wardens appointed to the girls hostel in the campus. Women faculty members accompany girl's students when they participate in outdoor activities or industrial visit.

Sufficient lighting is provided in the campus during nights in case of extension of regular hours for placements or cultural activities.

The college ensures social security through Anti - Ragging committee. College canteen has separate space for girls and boys to avoid inconvenience.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC7/7.1.1.pdf

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

C. Any 2 of the above

File Description	Documents
Geotagged 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 a maximum of 200 words)

SOLID WASTE MANAGEMENT

Waste generated from the canteen, kitchen, and vegetable scraps undergoes segregation in designated bins. Subsequently, the collected materials are transported and deposited into a pit, covered with soil, and left to decompose for a period of three months.

LIQUID WASTE MANAGEMENT

Liquid waste from the points of generation like the canteen and toilet in both hostel and college is segregated and let out through common drainage facility to a waste water tank at the corner in the campus. This helps to maintain and improve ground water levels.

E-WASTE MANAGEMENT

The vast majority of computers, printers, and electronic devices are consistently maintained in optimal working conditions, resulting in minimal generation of scraps. To further enhance sustainability, the toners in printers are refilled rather than being discarded after depletion, effectively preventing the generation of electronic waste.

WASTE RECYCLING SYSTEM

We implemented wastewater treatment process incorporating sedimentation techniques. This innovative step aims to refine the liquid waste, transforming it into valuable natural organic compost, will be utilized for gardening purposes.

HAZARDOUS CHEMICALS WASTE MANAGEMENT

Typically, our campus experiences minimal generation of hazardous waste across all departments. Any discarded batteries are appropriately disposed of through external agencies to ensure responsible handling.

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

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **A. Any 4 or all of the above**

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**

5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	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 a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
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, socio-economic and other diversities (within a maximum of 200 words).

Creating an environment where every student can feel harmony regarding cultural, regional, linguistic, communal socio-economic and other diversities is very important for an institution. Our institution has taken ample amount of steps in achieving the above mentioned criteria. In the academic year 2022-2023,

On 16th September 2022, world ozone day awareness program was conducted near Periyaseeragapadi village, where around 250 public were benefited. Importance of protecting our environment was the main purpose of the program.

On 11th October 2022, in periyaseeragapadi village, girl education awareness program was conducted. In the program around 350 civilians got benefitted. Our college girl students participated eagerly and shared their testimony. Many village girls got inspired and got motivated.

On 2nd December 2022, near Ariyanoor village our students and faculties participated in pollution control awareness program where pamphlets were issued regarding controlling pollution. Students visited the public place and removed unwanted materials like tyres, broken vessels where water stay. Unmaintained well was insisted to clean. Around 200 public got benefited.

On 4th February 2023, students and faculties visited periyaseeragapadi village and created awareness on cancer. Our students carried charts and other materials that exposed the information about cancer. Around 200 public got benefited.

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

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

At AEC, we believe in giving holistic all round education to the students. And sensitizing students on our constitutional rights, values, duties and responsibilities is one of the primary educations given at the institute through various means.

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. The International Day against Drug Abuse is a United Nations International Day against drug abuse. It is observed annually on 26 June, since 1989. The International Day against Drug Abuse, or World Drug Day, is marked on 26 June every year to strengthen action and cooperation in achieving a world free of drug abuse. The aim of this year's campaign is to raise

awareness about the importance of treating people who use drugs with respect and empathy; providing evidence-based, voluntary services for all.

NSS unit of the institution conducts a cleanliness drive to mark the occasion of Blood scarcity is a common hindrance to the health system and many lives are taken due to a shortage of blood units. 9th International Yoga day was celebrated at AEC NSS Unit organized on 21st June, 2023.

File Description	Documents
Details of activities that inculcate values necessary to transform students into 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 sensitization 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 Annual awareness programmes on the 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 programmes, 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

Our management organizes various programs from time to time to celebrate important days and festivals. Our college along with

faculty, staff and students jointly celebrate the cultural and regional festivals like Pongal, Ayudha Pooja celebration, Ganesha Festival.

5th September, 2022, Teachers' Day is celebrated in the Dr. Shanmugasundaram hall of our college. The students of various departments organized a function for the teachers. The Principal appreciated the teachers for their immense contribution to the institution for years. The entire program ended on a happy note.

Engineer's Day is celebrated to feel proud of the engineers of our country and to celebrate their achievements in each and every field of science and technology. In the economic progress and development of a country engineers play a very crucial role and contribution.

Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions.

Republic day on 26th January every year, commemorating the adoption of Indian constitution and spreading the message that India is the largest democratic country in the world.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

VALUE ADDED COURSE

Value-added courses are those courses designed to enhance the standard of the students beyond those levels specified in academic curriculum. In order to enhance employability of the students value added courses are included in the curriculum. Value-added courses are conducted by the faculty members of the department or

interfacing with the industry to bridge the gap between the curriculum and the requirements of the industry.

Value-added programs can help students acquire additional skills and qualifications that are relevant and in-demand in the job market. They can also help students showcase their achievements and potential to employers and recruiters.

PLACEMENT:

Since 2013, the Annapoorana Engineering College's (AEC) training and placement division has been instrumental in preparing students for their futures. This AEC cell has a strong emphasis on helping final-year students develop their skills and finding them around campus. As evidence for the aforementioned claims, 90% of the students were placed in reputable organizations the year before, and this service is still being provided this year with help from our Trustees, Advisory Board, Academic Council members, Head of Departments, parents, well-wishers, staff, and students.

File Description	Documents
Best practices in the Institutional website	https://naac.aecsaalem.edu.in/2023/NAAC7/7.2-1.pdf
Any other relevant information	https://naac.aecsaalem.edu.in/2023/NAAC7/7.2.1.PDF

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

1. Teaching Learning Process: The teaching-learning process represents the channel of communication through which the individual strives to acquire the habits, skills, knowledge, attitude, values and appreciation that are vital for surviving in the information age.

2. Extension Activities The college organizes Departmental Lectures, Seminars, and workshops, etc. with the existing experts and External experts, so that interdisciplinary knowledge can be transmitted among teachers and students.

3. Value Education classes Value-based education aims at training the student to face the outer world with the right attitude and values.

4. Self-Evaluation and Continual Renewal: It is the process of upgrading our skills and increasing our knowledge regularly in order to expand our ability to learn. As work and life demands change, it is essential to possess strong skills in continuous learning.

5. Alumni Networking: In our Alumni can build business connections, organize reunions, and serve as shining of the people that their institution produces. It's very useful for those who are interested in the lives of their old classmates.

6. Centre for Innovation and Incubation (CIE) The goal of Centre for Innovation and Incubation (CIE) at Annapoorana Engineering College is to promote and support technology based entrepreneurship spirit among the graduating students.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The effective implementation of Outcomes-Based Education (OBE) is crucial to ensure that our graduating engineers possess all 12 Program Outcomes (POs) defined by the National Board of Accreditation (NBA). Each program specifies 3 Program Educational Objectives (PEOs) that are evaluated through alumni performance. The website www.aecsaalem.edu.in displays the PEOs, Program Specific Outcomes (PSOs), and POs for each department.

The institute's autonomy facilitates academic flexibility, allowing the introduction of new courses such as Data Analytics, Mobile Application Development, and Internet Security for Computer Science and Information Technology graduates. Likewise, power electronics for renewable energy systems, wind energy conversion systems, solar and energy storage systems, energy management and auditing, non linear dynamics for power electronics circuits, smart grid are tailored for graduates in post graduate in power electronics and drives. Electronics and Communication Engineering (ECE). Mechanical Engineering students benefit from intra-disciplinary courses like Mechatronics and Additive Manufacturing. Civil Engineering students are exposed to advanced courses such as Green Buildings and Repair & Rehabilitation of Structures.

To enhance practical knowledge, various labs and centers have been established, including Oracle Workforce Development, IBM Workforce Development, Robotics Lab, Knowledge Center, SAAC Research Centre, E-Yantra, NI CDC, 3D Printing, Siemens Lab, Calibration Lab, and Civil Computer-Aided Design Lab.

The undergraduate (UG) and postgraduate (PG) courses are designed to support aspiring entrepreneurs, with the Entrepreneurship Development Cell (EDC) organizing workshops and seminars in collaboration with MSME India. Additionally, guest lectures and workshops are conducted to enhance knowledge and skill expertise.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC1/1.1.1.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

6

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

79

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year**

150

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

8

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institution aims to provide a curriculum that could address the cross-cutting issues like Environmental sustainability, Human Values & Professional Ethics, and Gender etc

Professional Ethics:

"Knowledge with Ethics" is the Engineers' prominent way to serve people of all strategy, for it could help them to analyse/decide the beneficials and disastrous for public. The curriculum includes a separate paper on Professional ethics for all students and guest lectures are given to students to instil moral, social and ethical ideas.

Human Values (Club Activities):

The Institution has formed an Anti-Ragging committee to create awareness on human rights. The committee addresses on ragging and gender criticism, which are the violations of fundamental human values and rights.

Women Empowerment Cell (Gender Equality):

To empower women socially, economically, politically and legally with a decision making potential, Women Empowerment Cell is organised. It conducts various skill development activities, arranges expert lectures by accomplished women to share their insights on work-life balance along with their roles and responsibilities.

Environment and Sustainability:

The booming exponential industrial growth and extensive energy demand leads to adverse consequences on climate. Thus an environmental issues related integrated curriculum is provided to nurture proper awareness among students about Global warming etc.

Our AEC NSS unit actively encourage the students to involve in tree plantations in and around college premises and yoga training for fostering social responsibility along with professional ethics.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

13

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1143

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

397

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://naac.aecsaalem.edu.in/2023/NAAC1/1.4.1.pdf.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://naac.aecsaalem.edu.in/2023/NAAC1/1.4.2.1.pdf .PDF
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

249

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

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

249

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 students' learning levels and organises special programmes for both slow and advanced learners.

Students enrolled in various disciplines are identified as slow and advanced learners based on their +2 marks and the entry-level test conducted by each department. The institution organizes induction programs for fresh UG students, which include objectives, benefits, and familiarization with OBE, online courses, value-added courses, industrial implant training, curriculum, co-curricular and extracurricular activities, mentoring, and campus tours. For continuous assessment, varied evaluations, including assignments, seminars, group discussions,

online quizzes, and viva-voce examinations, were employed to test both quality and value.

Methodologies for Slow Learners

1. Individual counselling.
2. Remedial Classes
3. Short notes for easy learning.
4. Group discussion sessions.
5. Special Care during Internal examination process.
6. Provision of simple and standard lecture notes and course materials.
7. Bilingual explanation and discussions after the class hours for better understanding.
8. Group study systems are also encouraged, with the help of advanced learners.

Methodologies for Advanced Learners:

1. Guidance is given to apply for funded projects under TNSCST
2. Motivated to present and publish papers in conferences and peer-reviewed journals.
3. Training is given to clear competitive examinations like TNPSC, Bank exams, etc.,
4. Motivated to enroll in online courses like Swayam, EdX, Coursera, etc.,
5. Training is given on advanced technologies like cloud, Bigdata, AI through ICT Academy and Honeywell.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC2/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
25/10/2023	882	125

File Description	Documents
Upload 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:

Experimental Learning:

- The faculty members are motivated to handle their regular classes using models that are engaged in the learning process, whereby students "learn by doing" and by reflecting on the experience.
- Project-based learning and internships help students develop interpersonal skills and make them industry-ready.
- Field visits arranged by individual departments minimize the gap between institutional and industry concepts.

Participative Learning

- Seminars, guest lectures, workshops, conferences, and alumni interactions provide varied learning experiences for the students.
- Mock interviews and management games improve the confidence and managerial skills of the students.

Problem-Based Learning

- The students are encouraged to do the projects and display them in the project expo every year on Engineers Day.
- Students actively explore real-world problems, implement them as project models under the guidance of faculty members, and acquire deeper knowledge.

Advanced Learning Methods

- Camu is an integrated learning management solution system that helps students and educational institutions streamline the entire course using the Camu software. Each student has an individual ID.
- The student can download their course materials, question banks, question papers, assignment questions, lesson plans, etc. using the Camu application on their mobile phones.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://naac.aecsaalem.edu.in//2023/NAAC2/2.3.1%20final.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

ICT-enabled tools for an effective teaching-learning process: To be corporate-ready, students must learn and grasp the latest technology. Colleges use information and communication technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the Institute of ICT Tools:

1. Projectors are available in every classroom or lab.
2. Desktops are arranged at the lab and faculty cabins all over the campus.
3. 7 smart classroom facilities are available on campus with smart touch facilities.
4. Printers: They are installed at labs, HOD cabins, and all prominent places.
5. Photocopier machines: multifunction printers are available at prominent places in the institute.
6. Scanners
7. Seminar rooms with digital facilities.
8. Smart Board.
9. Auditorium: It is digitally equipped with a microphone, projector, cameras, and computer system.
10. Online Classes through Zoom, Google Meet, Microsoft Team, and Google Classroom
11. MOOC Platform (massive open online courses)
12. Digital Library resources

Use of ICT by Faculty

1. PowerPoint presentations
2. Industry Connect
3. Online quiz
4. Video Conferencing
5. Video lecture
6. Online competitions
7. Workshops, seminars, and conference rooms are digitally

equipped where guest lectures, expert talks, and various competitions are regularly organized for students.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://aecsaalem.edu.in/gallery/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

85

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Calendar

- At the beginning of every semester, the principal, in consultation with the HoD's, prepares the academic calendar common to all the departments, which is displayed on the department notice board. This calendar includes the date of the internal examination schedule, the monthly holidays, and the schedule for other major activities in that particular semester.
- Based on that, each department frames its own academic calendar and timetable for every semester.
- The departmental academic calendar includes details of the commencement of classes, schedule for various programmes to be conducted, the internal examination schedule, Number of working days with day order, list of holidays and the tentative schedule of end-of-semester examination, etc.
- The entire co-curricular and extra-curricular activities are planned in the academic calendar.

Teaching plans

- As per IQAC suggestions, faculty members prepare the lesson plan before the commencement of the class work, and it is approved by the head of the department.
- Detailed unit-wise lecture plans, learning resources, teaching aids, and delivery methodologies are recorded in the lesson plans.
- To ensure that teachers adhere to the scheduled lesson plan, lesson plans are submitted to the principal every month.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full-time teachers against sanctioned posts during the year**

125

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

33

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

467

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

74

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

IT integration and reforms in the examination procedures

AEC carries out reforms in its examination procedure through the

integration of IT. The curriculum of different programmes is incorporated into the outcome-based education structure, and the evaluation pattern is modified accordingly. It helps the institution in terms of assessing the different levels of knowledge of the learners based on the revised Bloom's taxonomy. This structure facilitates adopting required changes in the teaching and learning process and also knowing the outcome levels of the learners in the evaluation process.

Mark entry, grade, percentage, and cumulative grade point average (CGPA) preparation and analysis of results are done using CAMU software. The payment of the examination fee has been upgraded to online mode through the college website. Effective use of tools, information, and technology is utilized for all the activities associated with the conduct of examinations and the declaration of results. IT integration has helped in modernizing the entire examination process and has speeded up its functioning. At the same time, we have configured a self-service portal (myCAMU) for all the students to access their academic performances. There are a lot of unique features available in CAMU. Camu was tested properly and received a good output.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://aecsaalem.edu.in/about-coe-office/

2.6 - Student Performance and Learning Outcomes

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

POs, PSOs, and COs are formed by considering the vision and mission statement of the college and the syllabus content. COs and POs are framed by the heads of the department after a discussion with the subject handling faculty along with subject experts. The POs and COs are available in the course file prepared by the faculty member while mapping with POs, the faculty can clearly understand the course outcomes accordingly and prepare the lesson plan, etc.

- POs and COs for all programs and courses are displayed on the institute website, classrooms, laboratories, and verandas of college for reference.
- The POs and COs are also mentioned on the blackboard

Faculty members refer to the syllabus to understand POs and COs thoroughly before delivering the courses to students and are also present in the continuous internal examination question papers and answer booklets.

- They are also made reachable through faculty members, student awareness workshops, and student induction programs.
- The course outcomes and attainments are measured through the Blooms taxonomy. A result analysis of each course is carried out to indicate the percentage of students falling into different categories of CGPA obtained and to ensure the attainment of course outcomes.
- Feedback from the stakeholders for the attainment of COs is collected.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://aecsaalem.edu.in/civil-engineering/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The attainment of course outcomes is assessed by considering the following two categories of marks:

Direct Attainment

1. Internal Assessment Marks

2. End-of-Semester Examination Results

The internal assessment mark for the theory is the average of the three internal assessment examinations. The course outcomes are framed by the respective faculty members and HOD with the help of an expert. Subject-wise, CO attainment level is calculated by adding 20% of the final internal assessment attainment level (given in the table) with 80% of the end-of-semester examination attainment level for each subject. Thus, the average percentage of students attaining the entire COs determines the CO attainment level.

Attainment Level

Students pass percentage

1

50% to 60%

2

61% to 70 %

3

71% and above

Indirect Attainment

1. Students Exit Survey

Indirect attainment is found from student exit surveys about the program and is conducted by providing the PO's and PSO's as questionnaires to the outgoing students by giving them three grade points. Indirect attainment is 20% of the weightage of each PO's and PSO's. Attainment level of 80% directs method, which includes 20% internal assessment level, 80% end-of-semester attainment level, and 20% indirect method is the PO's and PSO's attainment.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC2/2.6.2.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

89

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://naac.aecsaalem.edu.in/2023/NAAC2/2.6.3.pdf

2.7 - Student Satisfaction Survey

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

<https://naac.aecsaalem.edu.in/2023/NAAC2/2.7.PDF>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Research is the most cornerstone of Knowledge, which creates cutting edge facilities, encourages researches Publications foster collaboration and become a part of vibrant community that supports institutions vision and Misson.R& D activity aims in creation and dissemination of new knowledge network, Encourage Innovation and they will simulate both faculty and students.

Research Promotion Policy :

All the Faculty members are motivated to do research in Science ,Engineering and Technology.Faculties with master degree are allowed to do Ph.D. under part time mode in Anna university or any other university.Research Co-coordinators allocated for each department to apply proposal for funded projects and make faculty members to do aConference and proposal per year.Faculty members are insisted to publish Patents, books and journals in Springer, IEEE Scopus.The Management will provide Seed Money for the research.Faculty members are encouraged to undergo relevant certificate courses on innovation product development, Entrepreneurship and IPR.All Faculties are motivated to do consultancy work to the respective company/ industries with required facilities.Students are allowed to work in incubation

center of each department and also do msme IEEE projects and displays. Sponsorship will be also given to faculties in addition for doing their research projects in collaboration with the students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://aeccsaalem.edu.in/product-development-centre/
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

107500

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

5.7

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

6

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC3/3.2.2.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

1

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.tanscst.tn.gov.in/ http://algojaxon.com/swargalightingsolutions@gmail.com siraguassociates@gmail.com http://www.maxcadd.com/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Annapoorana Engineering College (AEC) developed an environment for innovation including an Incubation Centre and other initiatives to convert knowledge into application. AEC has established Intellectual Property Rights Cell in the year 2014. We have conducted various events, FDPs to create awareness about Intellectual Property Rights, particularly the idea of entering in to patent registration. We have awarded the students for best innovation with the collaboration with Institute Innovation Council. KAPILA has also been implemented in our college.

Activities of IPR

IPR provide certain exclusive rights to the inventors or creators of that property, in order to enable them to reap commercial benefits from their creative efforts or reputation. There are

several types of intellectual property protection like patent, copyright, trademark, etc.

The primary function of intellectual property rights (IPRs) is to protect and stimulate the development and distribution of new products and the provision of new services based on the creation and exploitation of inventions, trademarks, designs, creative content or other intangible assets.

Intellectual Property Law includes patents, copyrights, trademarks, and trade secrets. All of these areas are related in that they deal with protecting products of the mind but in other ways they are very different.

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

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

10

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

C. Any 2 of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

0

File Description	Documents
URL to the research page on HEI website	https://aeccsaalem.edu.in/mechanical-engineering/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

30

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

30

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aecsaalem.edu.in/book-publications/

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

17

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

2

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.19

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Annapoorana Engineering College, very effectively coordinate different programmes like, Blood Donation Camps, International Day against Drug Abuse, International yoga day Celebrating, Pongal Celebration, Tree plantation, etc. Dr. A. Anbuchejian welcomed all the participants and initiated the proceedings for the awareness of the celebrations, this programme is arranged by Dr. B. Ramesh, Head / ECE and Mr. M. Govindaraj, AP/Mech. In order to address this shortage, the Annapoorana Engineering College NSS students organized a Blood Donation Camp in collaboration with VIMS Hospital. The aim of this year's campaign is to raise awareness about the importance of treating people who use drugs

with respect and empathy. Our Yoga masters Shri. Kalaiselvi and Thiru Palani from "SKY Yoga for Human health" led the session. They have given information regarding Yoga day and the importance of Yoga. It was interesting to note that all the participants came in their traditional dress. Sweet Pongal was cooked and distributed to all the staff & students. Every man needs the oxygen for their life and Trees are the foremost source of oxygen as well trees help to reduce the level of Co2. As we all know that the whole world is facing the problem of global warming and to recover from such problem planting the trees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC3/3.6.3.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

2

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

7

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

817

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

228

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

7

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

Annappoorana Engineering College has adequate infrastructural facilities and follows the norms laid down by AICTE and Anna University for creating and enhancing the infrastructure facilities for effective teaching and learning. Total area of our institution is 13.94 acres. The Institute has sufficient Smart-

Class Rooms (40-Nos), Tutorial Rooms, , seminar-halls , various department laboratories, library with ILMS, and 150 Mbps internet facility including Wi-Fi, Auditorium, Rest Rooms, Staff cabins, HOD cabins attached with Office and Department Library.The College has Placement Cell, Training Division and Industry-Institute Partnership Cell.The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, cocurricular activities/extra-curricular activities, parent’s teachers meeting, training classes,board room, campus recruitments, seminars, conferences etc.,

Computing Equipments / Computing Facility/ Drawing Halls/Auditorium

Our Collegehas ten computer laboratories with 485 computers connected through Wi-Fi/LAN with more than 150 Mbps internet speed Our College has sufficient number of drawing halls with drawing tables for accessing students Our College has 3 airconditioned Seminar Halls with adequate smart audio /video systems. Our College has library with area of 900 Sq. m, e-Governance facilities with collection of 22361 books.Library is facilitated with DELNET and NDLmembership, NPTEL ,e- Journal, e-Shodhsindhu, Shodhganga Membership, Springer open & e-books

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC4/4.1.1.pdf

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

Annappoorana engineering college has adequate facilities for sports, games (Indoor-outdoor), Gym, Yoga centre, Club and cultural activities. The college was always enthusiastic and encourages the students to actively participate in games and sports apart from the academics. College frequently conducts sports and games on their own interest. Sometimes there is a participation of outside funding bodies by conducting sports meet, refreshment programs to provide a physical relaxation for the students. The college has enough playgrounds for physical

activities and cultural activities.

The institution has a well-established 35839 sq.m playground. Institution has physical Director to train both boys and girls. Specific sporting events held on the sports day every year. Institution encourages our students to take part in university, district and state sports & games.

The institution has many cultural activities, such as group dance, skits, MIME, debating, face painting, drawing, etc. The college also organizes every year Annual Day function where students engage with enthusiasm and enhancement in many cultural activities.

There are many clubs running under Students Union of our college.

The Institute has various clubs so students are eagerly conducting and participate many events such as blood donation camp, Eye donation, Medical Camp and Clean India. Personality and Character Development programmes exclusively for first years are organized by Clubs.

Medical facilities are available on campus for the benefit of staff and students with 24 Hrs Ambulance Service.

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

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

40

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

185.39

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Response

Annappoorana Engineering College Central Library is established with an area of 900 sq.m. The seating capacity of library is 200 Nos at a time. It functions with by providing various Text Books, Reference Books, e-Books, National & International Journals, Newspapers & Magazines, E- Journals and Databases. It provides many services like as Circulation, Reading Room facility, Reprography, Digital Library service, CD, Web OPAC, Reference services, News paper Clipping Service CAS, NPTL Videos Etc..

Electronic Resource Management package for e-journals

The library subscribes to DELNET package. A well-equipped Digital Library with 15 computers having Internet connectivity is accommodated in the Library for access to E-Resources. As the access facility to e-journals is available the students can use

the E-Resources from anywhere in the campus.

Library is automated using Integrated Library Management System (ILMS): Yes

Name of the ILMS Software : SOUL (2019 Nov)

Nature of Automation (fully or partially) : Fully

Version : 3.0.0.4

Year of Automation : 2019

Automation

The College Library is fully automated. We are used AutoLib Software for our library from 2010 to Nov 2019. Now SOUL (Software for University Library) has been installed with the following main modules for the library in-house operation using Barcode Technology:

- Acquisition Control System
- Bibliographic Control System
- Circulation Control System
- Serial Control System
- OPAC (Online Public Access Catalogue)
- Gate Entry Monitoring System (GEMS)

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

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

14.56

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

145

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Our institute aims at providing upgraded facilities to staff and students. The systems are upgraded and necessary software is procured based on the syllabus. Presently 14 computer centres are available with 485 computers. A total of 40Classrooms have been equipped with LCD projectors which are implemented with audio visual systems. Smart Interactive Board class rooms are available for each department. We have 3 seminar halls equipped with Smart Interactive Board with audio and high speed net facilities. The

entire campus is monitored by CCTV facility. Our college having Library Software named SOUL (version 3.0.0.4), for administration and OPAC. The college is facilitated with 485 computers that are accessible to the students. The college has 150 Mbps internet connectivity (with wired and Wi-Fi hotspots with extenders). All computers in the campus are connected to the internet. The Wi-Fi facility is enabled in the college by installing controllers and Access points. The entire campus including Hostels has Wi-Fi connectivity for laptops and other devices. The Institute has the ERP (CAMU) system, which provides the facilities like student administration, staff administration, payroll system, Inventory management, Academic monitoring, COE functions etc. The Internet bandwidth is upgraded time to time as per requirement and the technology is also constantly updated.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
883	485

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media

B. Any three of the above

Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

625.79

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Our management has developed systems and procedures for maintaining support facilities.

Before the beginning of the academic year, a laboratory audit is carried out and a report is prepared on the requirements as per the university guidelines for conducting experiments. Regular inspection of machines is organized.

The librarian maintains the issue registers to monitor the book circulation among students and staffs, using book circulation register or SOUL. Books stock register is properly maintained and auditing of books is performed annually.

The computer hardware and software, printers, WIFI, ICT Class rooms and LAN connectivity are supported by CSE department with system admin. If maintenance/ service identified is external, getting approval from Principal the necessary action is taken.

Class rooms, Interactive classrooms and Tutorial classrooms are offered to students and well maintained. The Director of Physical Education guide the training and participation of students in various sports activities. The Students are allowed to use sports materials through the register in sports room. In case of any damage observed, the same is recorded in the register pending further action.

The electricity related repairs and maintenance, water availability, plumbing works and infrastructure for rainwater harvesting are taken care by the maintenance department.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

684

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1062

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
File Description	Documents
Link to Institutional website	https://naac.aecsaalem.edu.in/2023/NAAC5/5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
848	
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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

92

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

5.2.2 - Number of outgoing students progressing to higher education

15

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

1

File Description	Documents
Upload supporting data for students/alumni	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 and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Anti Ragging Committee:

This committee looks of any ragging issues within and out of the campus. This committee consists of the Management representative, principal, HoDs, AO, and student representatives from all departments.

Library Advisory Committee:

Student's role in library committee is highly commendable since they recommend the books and journals.

Sports committee:

This Committee is constituted with Physical director, supportive staffs from departments and students from all branches. Student players take the lead role in organizing periodical and occasional sports and games competitions.

IQAC:

This cell consists of with principal as chairperson, external members, internal members, student representative to build and ensure a quality culture, with flexibility to meet the diverse

needs of the stakeholders.

Research, Innovation, Incubation and Funding Committee: .

Create awareness among faculty members and students about writing article/books and publishing paper in reputed journals and conferences. Motivate faculties innovate and do project work along with students.

Examination Cell:

Examination notices received from the Controller of Examination, Anna University, Chennai are duly served to all concerned. . Preparation for smooth conduction of Internal and University Examinations, preparation of Time table, Invigilator duty chart, Seat allotment in the Examination halls etc and documenting the same.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC5/5.3.2.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

3

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association: The college has an alumni association named Annapoorana Engineering College Alumni Association. This was registered in 2019 with register number of SRG/Salem

East/118/2019, dated: 04.12.2019.

The AEC alumni meet is conducted in campus every year to share their experience and industrial exposure to the students. The Institution organizes special lectures wherein the alumni are invited by each department to enable them gain the field exposure, technical skills, employment and entrepreneurship skills.

The alumni are included in discussions in the form of acting as member in Board of studies, Research, Innovation, Incubation and funding committee and Department Advisory committee. On their own interest, the alumni as a group or batch wise make contributions to college

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC5/5.4.1.pdf

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

VISION

Excel as one of the renowned engineering institutions and achieve greater recognition.

MISSION

- Recognition through quality education, research, consultancy, and innovation in education.
- Provide students with the basic and advanced engineering

knowledge, interdisciplinary problem solving skills, societal and business issues and self-confidence to excel in their professions and be leaders in the Global environment.

- Maintain a collegial, supportive, and diverse environment that encourages our students, faculty, and staff to achieve and compete to the best of their abilities.

The nature of governance, perspective plans and participation of the teachers in the decision making bodies.

- Principal, Academic Director, HoDs, faculty improve the quality of the institution with the support of the Top Management.
- To develop and review the progress, the institution conducts regular meetings. The information gathered from the Stake Holders gathered as feedback to draw the quality approach.
- To prepare the academic calendar, an Academic Council meeting will be conducted in the presence of Principal, Academic Director and HoDs.
- Periodical meeting is conducted by the Principal with HODs and faculty to equip the Laboratories and to monitor the progress of the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.1.1.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Annapoorana Engineering College thoroughly has faith in well defined decentralization and participative administration in each aspect of institute working. The college has an organization structure that incorporates Governing Body, Principal, Vice Principal, Academic Director, HoD, CoE, faculty members, and nonteaching staff and other various committees.

The Governing Body is in charge of arranging the establishment, guaranteeing organization execution and managing risk and responsibility. Work plan to the faculty is assigned through HOD's and will be regularly verifying the syllabus coverage.

Programs related to empowerment of students & staff can be organized by the HOD's. The head of department conducts, monitors the department activities, conducts intermittent gatherings of all separate staff members actively engaged in handling academic activities in the department. Head of the department take proposals from the faculties for advancement of the academics and administration and forward the same to the college administration. Also the students are involved to certain extent in decision making. Students are taking decisions related to the functioning and their roles in student committee. The participative culture guarantees straightforwardness in both academic and organization. The object of participative administration and decentralization is clear from the various programs organised in the college

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.1.2.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institution has a perspective plan based on the vision and mission of the college for a period 2022 to 2023. Our development through lateral thoughts of ICT based teaching- learning process to improve the quality of programs and institution.

The institute has following perspective/ strategic plans effectively deployed for the year 2022 - 2023:

- 1) NBA accreditation for Civil, CSE and EEE on 12.08.2022.
- 2) Autonomous statusfor 5 years on 18.08.2022.

- 3) NAAC AQAR 2020-2021 was resubmitted and finally approved and acceptance received on 05.04.2023
- 4) Institution Innovation Council (IIC) is established at Annapoorana Engineering College during 2022 to 2023.
- 5) The 8th Convocation was held on 05.11.2022
- 6) Research & Development Center was applied by the Department of Mechanical Engineering
- 7) Board Room ,New Laboratory Complex,Class rooms for new courses & Boys Hostel 2nd Floor was constructed
- 8) Synthetic Rubber Paneling for Basket Ball Ground
- 9) Awarded Student's project from TNSCST
- 10) Applied for MSME business incubator -Project submission.
- 11) Annual Day & Sports Day were conducted on 12/04/2023 & 13/04/2023
- 12) Alumni Meet was conducted on 07.05.2023.
- 13) Establishment of Apple Innovation Center - 17.04.2023

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.2.1.pdf
Upload any additional information	View File

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

Annapoorana Engineering College was established in the year 2010 by Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical, Educational & Charitable Trust (TKVTSSMEC TRUST), a

Charitable and Educational Trust was started in the year 1981 with an objective to provide educational help, medical relief and public service. The Trust of the institution is ably supported by the Governing Body in introducing matters of Policy, Planning and Development of the Institution. Functions of the Governing Body: To organize the teaching and determine the teaching requirement in the college To monitor and evaluate the teaching programs in the college and suggest remedial measures. To appoint the Principal, HOD, the teaching and non-teaching staff on the recommendations of the selection committees constituted under the relevant regulations of the University To monitor faculty deployment and development, placement and industry-institute interacting activities in the institute/college and suggest remedial measures wherever necessary The functions of various bodies, Service rules procedures, recruitment and promotional policies as well as grievance redressal mechanism are given as additional information.

File Description	Documents
Paste link to Organogram on the institution webpage	https://naac.aecsaalem.edu.in/2023/NAAC6/AC_ADEMIC-SETUP-Ornogram.pdf
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.2.2.PDF

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Staff welfare defines as "efforts to make life worth living for workmen". Our institution provides various services, benefits, and facilities offered to employees, which include the perks and benefits provided to the employees of the organization apart from their regular salary or remuneration, the main motive of serving employee benefits services is to improve or enhance the employee's well-being. Staff welfare measures serve the primary objective of the our institution as enhances the relationship of the employer and the employees. Our organization should always treat employee welfare measures as their investment rather than an expense as satisfied personnel will always provide a satisfying result in return.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.3.1%20Institutional-Welfare-Measures.pdf

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

82

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

83

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

87

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has both Internal and External Auditing system. Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects. External Audit is done by the Statutory Auditors appointed by the Trust after 31st March of subsequent year. Budget proposal are created by Heads of various departments. Yearly departmental budget is proposed from all departmental Heads and various sections of the institution to the principal. The Principal along with consolidated departmental budget, prepares an Annual Organizational Budget. The consolidated annual budget is planned under careful consideration of the needs of all the departments and finalised by the Finance Committee. The college annual budget is then discussed in the Governing Body meeting and submitted to management for approval. The management reviews annual budget of the college and based on priority, funds are sanctioned. The budget review is done periodically. Reallocation of budget is also done in case of any unexpected needs. The consolidation of the budget has been

completed and the annual returns are been submitted to Income Tax Authorities and to the other relevant authorities concerned.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.4.1.Income&Expenditure-and-Balance-Sheet(2022-2023).PDF

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

3.10

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Fund Mobilization: The major portion of the income for the college comes through Admission fee fixed by Anna University, Chennai. At the time of admission, the College collects the tuition fee, AICTE affiliation fee, miscellaneous and soft skills training fee. Further funds are mobilized from Bus fees, canteen utilization, fines from the students, Alumni Association, EDII and other funding agencies for conducting various activities and events. TKVTSSMEC Trust - Our parent trust offers a wholesome amount of rupees one crore every year, as scholarship to poor students. Further funds are received by the conduct conducts Government exams in the college. Optimal Utilization Construction of college buildings and infrastructural maintenance form major part of budgeted fund utilization by the college. The expenditures mainly consist of salary payments, infrastructural maintenance, transport maintenance, fuel, electricity, purchasing of library books, and other recurring expenses. Funds are also sanctioned in part for faculty members for attending events conducted in other colleges. The college allocates a wholesome

amount every year to waste management and to maintain green environment. As per the yearly requirements, the college offers funds for conducting curricular, co-curricular, extracurricular activities and Awards for meritorious students and Faculty members.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.4.3%20IT-RETURNS-VERIFICATION(2022-2023).PDF

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC in any institution is a significant administrative body that is responsible for all quality matters. It is the prime responsibility of IQAC to initiate, plan and supervise various activities that are necessary to increase the quality of the education imparted in an institution or college.

Significant Contributions by IQAC:

1. NBA Accreditation for 3 UG Programs namely Civil, CSE and EEE - 11.10.2022
2. Received Autonomous status on 17.08.2022 for 2022-2023 onwards
3. NAAC - AQAR 2021-22 submitted after editions on 5.04.2023
4. Continuous evaluation of academic performance through the conduct of Academic & Administrative Audit twice in a year.
5. NIRF - 2023 was applied on 17.11.2022 for the year 2023
6. Signing MoUs with Top Companies for the conduct of events, training, placements, Industrial Visits, etc..
7. Conduct of BOS Meet by all departments, Designing of

Curriculum and Setting Syllabus from 1-4 Semesters

8. Establishment of Apple Innovation Center - 17.04.2023

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/6.5.1.NIRF-2023-CERTIFICATE.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The main objective of IQAC is to ensure quality in academic and administrative activities. Following are the innovative processes adopted by the institution in Teaching and Learning:

1. Introduction of Value added courses & Certificate courses
2. Initiation of Outcome Based Education
3. Initiation of ICT tools for enhancing Teaching- Learning Process
4. Through Industry - Institute - Academia collaborations, guest lectures are arranged on advanced topics by Eminent Academicians and Industry experts
5. Feedback from stake holders are collected & corrective action are taken
6. Collaborations with other institutions for Utilization of faculty members, laboratories, Research facilities, external academic audits, etc..

IQAC Contribution towards effective Teaching & Learning processes are as follows:

1. IQAC organizes regular Academic and Administrative Audits once in a semester to ensure the implementation of teaching learning process and maintenance of course files.

2. Exams monitoring through Academic Committee and Exam Cell Coordinator.
3. Conduct of Remedial classes for slow learners
4. Soft skill training to suit the job needs of the students.
5. Mentor-Mentee allotments are introduced to help students overcome the challenges faced by them.
6. MOUs with Top companies for training and placements

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://naac.aecsaalem.edu.in/2023/NAAC6/CODUCT OF%20 SPECIAL COURSES.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://naac.aecsaalem.edu.in/2023/NAAC6/IQAC ANNUAL REPORT 2022-23.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

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

The institute values all faculty members equally, regardless of gender. Women faculty members, who have demonstrated the ability to lead departments, serve as committee chairs, and successfully carry out their duties are nominated for these positions.

Celebrations on International Women's Day, yoga sessions, athletic events, and a seminar on dangers and safety. Seminar on the women's helpline programme and Motivational talk by a judge.

Eminent person from police department are invited to counsel the students regarding ragging, eve teasing and harassments during college events. For Safety & Security CCTV Cameras installed in class rooms and labs. Specific courses dedicated to gender issues. Training programs on Self-defense for girl students organized.

Well trained warden and Assistant wardens appointed to the girls hostel in the campus. Women faculty members accompany girl's students when they participate in outdoor activities or industrial visit.

Sufficient lighting is provided in the campus during nights in case of extension of regular hours for placements or cultural activities.

The college ensures social security through Anti - Ragging committee. College canteen has separate space for girls and boys to avoid inconvenience.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://naac.aecsaalem.edu.in/2023/NAAC7/7.1.1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based

C. Any 2 of the above

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

File Description	Documents
Geotagged 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 a maximum of 200 words)

SOLID WASTE MANAGEMENT

Waste generated from the canteen, kitchen, and vegetable scraps undergoes segregation in designated bins. Subsequently, the collected materials are transported and deposited into a pit, covered with soil, and left to decompose for a period of three months.

LIQUID WASTE MANAGEMENT

Liquid waste from the points of generation like the canteen and toilet in both hostel and college is segregated and let out through common drainage facility to a waste water tank at the corner in the campus. This helps to maintain and improve ground water levels.

E-WASTE MANAGEMENT

The vast majority of computers, printers, and electronic devices are consistently maintained in optimal working conditions, resulting in minimal generation of scraps. To further enhance sustainability, the toners in printers are refilled rather than being discarded after depletion, effectively preventing the generation of electronic waste.

WASTE RECYCLING SYSTEM

We implemented wastewater treatment process incorporating sedimentation techniques. This innovative step aims to refine the liquid waste, transforming it into valuable natural organic compost, will be utilized for gardening purposes.

HAZARDOUS CHEMICALS WASTE MANAGEMENT

Typically, our campus experiences minimal generation of hazardous

waste across all departments. Any discarded batteries are appropriately disposed of through external agencies to ensure responsible handling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
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
Geotagged 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: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
--	-------------------------------------

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

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
--	--

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 a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,</p>	<p>B. Any 3 of the above</p>
---	-------------------------------------

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
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, socio-economic and other diversities (within a maximum of 200 words).

Creating an environment where every student can feel harmony regarding cultural, regional, linguistic, communal socio-economic and other diversities is very important for an institution. Our institution has taken ample amount of steps in achieving the above mentioned criteria. In the academic year 2022-2023,

On 16th September 2022, world ozone day awareness program was conducted near Periyaseeragapadi village, where around 250 public were benefited. Importance of protecting our environment was the main purpose of the program.

On 11th October 2022, in periyaseeragapadi village, girl education awareness program was conducted. In the program around 350 civilians got benefitted. Our college girl students participated eagerly and shared their testimony. Many village girls got inspired and got motivated.

On 2nd December 2022, near Ariyanoor village our students and faculties participated in pollution control awareness program where pamphlets were issued regarding controlling pollution. Students visited the public place and removed unwanted materials like tyres, broken vessels where water stay. Unmaintained well was insisted to clean. Around 200 public got benefited.

On 4th February 2023, students and faculties visited periyaseeragapadi village and created awareness on cancer. Our students carried charts and other materials that exposed the

information about cancer. Around 200 public got benefited.

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

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

At AEC, we believe in giving holistic all round education to the students. And sensitizing students on our constitutional rights, values, duties and responsibilities is one of the primary educations given at the institute through various means.

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. The International Day against Drug Abuse is a United Nations International Day against drug abuse. It is observed annually on 26 June, since 1989. The International Day against Drug Abuse, or World Drug Day, is marked on 26 June every year to strengthen action and cooperation in achieving a world free of drug abuse. The aim of this year's campaign is to raise awareness about the importance of treating people who use drugs with respect and empathy; providing evidence-based, voluntary services for all.

NSS unit of the institution conducts a cleanliness drive to mark the occasion of Blood scarcity is a common hindrance to the health system and many lives are taken due to a shortage of blood units. 9th International Yoga day was celebrated at AEC NSS Unit organized on 21st June, 2023.

File Description	Documents
Details of activities that inculcate values necessary to transform students into 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

A. All of the above

periodic sensitization 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 Annual awareness programmes on the 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 programmes, 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

Our management organizes various programs from time to time to celebrate important days and festivals. Our college along with faculty, staff and students jointly celebrate the cultural and regional festivals like Pongal, Ayudha Pooja celebration, Ganesh Festival.

5th September, 2022, Teachers' Day is celebrated in the Dr. Shanmugasundaram hall of our college. The students of various departments organized a function for the teachers. The Principal appreciated the teachers for their immense contribution to the institution for years. The entire program ended on a happy note.

Engineer's Day is celebrated to feel proud of the engineers of our country and to celebrate their achievements in each and every field of science and technology. In the economic progress and development of a country engineers play a very crucial role and contribution.

Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule. The Faculty, Staff and

Students of the institution all come together under one umbrella to celebrate these occasions.

Republic day on 26th January every year, commemorating the adoption of Indian constitution and spreading the message that India is the largest democratic country in the world.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

VALUE ADDED COURSE

Value-added courses are those courses designed to enhance the standard of the students beyond those levels specified in academic curriculum. In order to enhance employability of the students value added courses are included in the curriculum. Value-added courses are conducted by the faculty members of the department or interfacing with the industry to bridge the gap between the curriculum and the requirements of the industry.

Value-added programs can help students acquire additional skills and qualifications that are relevant and in-demand in the job market. They can also help students showcase their achievements and potential to employers and recruiters.

PLACEMENT:

Since 2013, the Annapoorana Engineering College's (AEC) training and placement division has been instrumental in preparing students for their futures. This AEC cell has a strong emphasis on helping final-year students develop their skills and finding them around campus. As evidence for the aforementioned claims, 90% of the students were placed in reputable organizations the year before, and this service is still being provided this year

with help from our Trustees, Advisory Board, Academic Council members, Head of Departments, parents, well-wishers, staff, and students.

File Description	Documents
Best practices in the Institutional website	https://naac.aecsaalem.edu.in/2023/NAAC7/7.2-1.pdf
Any other relevant information	https://naac.aecsaalem.edu.in/2023/NAAC7/7.2.1.PDF

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

1. **Teaching Learning Process:** The teaching-learning process represents the channel of communication through which the individual strives to acquire the habits, skills, knowledge, attitude, values and appreciation that are vital for surviving in the information age.

2. **Extension Activities** The college organizes Departmental Lectures, Seminars, and workshops, etc. with the existing experts and External experts, so that interdisciplinary knowledge can be transmitted among teachers and students.

3. **Value Education classes** Value-based education aims at training the student to face the outer world with the right attitude and values.

4. **Self-Evaluation and Continual Renewal:** It is the process of upgrading our skills and increasing our knowledge regularly in order to expand our ability to learn. As work and life demands change, it is essential to possess strong skills in continuous learning.

5. **Alumni Networking:** In our Alumni can build business connections, organize reunions, and serve as shining of the people that their institution produces. It's very useful for those who are interested in the lives of their old classmates.

6. Centre for Innovation and Incubation (CIE) The goal of Centre for Innovation and Incubation (CIE) at Annapoorana Engineering College is to promote and support technology based entrepreneurship spirit among the graduating students.

File Description	Documents
Appropriate link in the institutional website	https://naac.aecsaalem.edu.in/2023/NAAC7/7.3Institutional-Distinctiveness.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Plan of action for the next academic year

To raise the students' performance, the academic activities were discussed. By holding numerous seminars, workshops, and conferences, the technical knowledge and skills of the staff members and students will be improved. There was discussion on the odd and even semester calendar for 2023-2024

Internship and In-plant training will be provided to the students regularly. In future, students will be enhanced by given appropriate placement and training programs for students. The Human Resource department will be improvised by revising the salaries and fixing the pay scale for various categories of staff members. The Staff selection and appointment procedure will be enhanced.

The college's auditorium is slated to be built independently. A large number of herbal plants will be planted as part of the green project. It was intended to convert every classroom to a digital one. The facilities in the lab and the library will also be made do.

The campus will seem more attractive with more trees and plants. There will be a constant supply of water and routine cleaning of the water tank.