YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr. S.N.V GANESH
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7997903696
• Mobile no	8978402146
• Registered e-mail	principal@aietta.ac.in
• Alternate e-mail	snvganesh@gmail.com
• Address	Cherukupally (Village), Near Tagarapuvalasa Bridge, Bhogapuram Mandal, Vizianagram (Dist), Andhra Pradesh-531162, India
• City/Town	Vizianagram (Dist)
• State/UT	Andhra Pradesh
• Pin Code	531162
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**
• Name of the Affiliating University	**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
• Name of the IQAC Coordinator	**Dr.Gandi Satyanarayana**
• Phone No.	**9849202645**
• Alternate phone No.	**9494451851**
• Mobile	**9849202645**
• IQAC e-mail address	**iqac@aietta.ac.in**
• Alternate Email address	**avanthi.q7@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://aietta.ac.in/iqac/AQAR_Reports/AQAR%202020-2021.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://aietta.ac.in/academic_calanders/Academic%20Calendar%202021-22.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B++**	**3.0**	**2018**	**26/09/2018**	**26/09/2023**

6.Date of Establishment of IQAC	**01/06/2018**

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
0	**0**	**0**	**0**	**0**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of	View File	

IQAC		
9.No. of IQAC meetings held during the year	3	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		

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

The Internal Quality Assurance Cell (IQAC) of Avanthi Institute of Engineering and Technology has played an important role in implementing a quality work culture across the institution. Some of the significant outcomes achieved through IQAC include: • Enhanced cooperation among various activities and institutional functioning • Improved quality in the teaching-learning process and focus on its outcome • Enhanced involvement of Students and Faculty through effective methodologies/frameworks • Improved placements through effective & efficient planning, coordination, and execution of different activities in a periodic and timely manner

Development of Avanthi Result portal: Developed institute-owned Result Management Portal to ensure the consistency of the processes and systems in place and Strengthened the Quality Management Systems in all the academic avenues enabling the audit process to be simpler and more robust.

Implementation of Outcome-Based Education: (i). Implemented Outcome Based Education in line with Outcome based Accreditation and NEP 2020 and necessary steps are taken to align curriculum design, delivery, and assessment (ii)The Institution is continuously providing training to the members of the faculty to create an OBE ecosystem on the campus (iii)Strengthened the industry-institution interaction to a greater extent and offered many industry-driven

courses to address one of the main parameters of outcome-based education, SKILL

Enhancing the research profile of the faculty and the Institute : (i)Yes. As the institution is in the budding stage of research-oriented activities and the research committee is strengthened by inducting a few senior retired Scientists from the research organization for mentoring the members of the faculty on research (ii)Assistance is being provided to the members of faculty and students with mentors enabling them to initiate a research culture The number of publications in Scopus, SCI and UGC Care journals is significantly improved during 2021 – 2022. However, the Institution has a long way to move forward in research-oriented activities

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12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Conduct of academic audit with external experts	Yes. Initiated the academic audit for all program of study as well as the office of the Controller of Examinations. All went well as per the suggested plan providing scope for continuous improvement
Implementation of Outcome Based Education	Yes. 1. Implemented Outcome Based Education in line with Outcome based Accreditation and NEP 2020 and necessary steps are taken to align curriculum design, delivery and assessment 2. The Institution is continuously providing training to the members of faculty creating an OBE eco-system in the campus 3. Strengthened the industry-institution interaction to a greater extent and offered many industry-driven courses to address the one of the main parameters of the outcome based education, SKILL
Leveraging digital learning space for online teaching – learning process	1. Leveraged the intervention of ICT tools and deployed successfully the Learning

	Management System (LMS) to a greater extent and moved forward preparing the Institution to be a part of Open Distance Learning (ODL) in the coming years 2. Further, it is helping the institution to transform from brick and mortar classroom model to a digital learning space 3. The institution has prepared video lectures to a volume of ~3 terabyte and stored in cloud space for the end users
Enhancing the research profile of the faculty and the Institute	1. Yes. As the institution is in the budding stage of researchoriented activities and the research committee is strengthened by inducting few senior retired Scientist from research organisation for mentoring the members of faculty on research 2. Assistance is being provided to the members of faculty and students with mentors enabling them to initiate research culture 3. The number of publications in Scopus, SCI and UGC Care journals is significantly improved during 2021 – 2022. However the Institution has a long way to move forward in research-oriented activities
Procurement of Anti plagiarism software and impetus to research	As the affiliating university is providing free access to this kind of software, it is kept on hold for the time-being.
Improvement in the placement opportunities for students	provided to the students is significantly improved both in terms of quality and quantity. The maximum CTC is Rs. 9 LPA 2. Organised several training programs to the students to achieve the above said

	benchmarks during 2021 – 2022 and still it is being continued 3. Enclosed the proof of the above said details
Up-gradation of the laboratories to promote research activities of the students and the faculties	Yes. Facilities are augmented. The list is furnished herewith.
Office Automation to ensure an updated Monthly Information System (MIS) in the college to include an online archiving of student, faculty, and staff database	Implemented and details are furnished.
Purchase of server exclusively for examination branch.	Procured.

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

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	01/08/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
Yes	01/03/2022

15.Multidisciplinary / interdisciplinary

As part of the R20 Regulations of JNTUK, multi-disciplinary/interdisciplinary subjects in line with NEP 2020 have been introduced. Some of the features of R20 regulations:

- Increased the number of Open electives
- Introduced "Universal Human Values", "Essence of Indian Traditional Knowledge", "Indian Constitution", and "Environmental Science" as mandatory subjects
- Credit-based "Community Service project" is made mandatory
- Increased the number of skill courses for corporate readiness

    `& employability`
- `Introduced Minors & Honors courses`

16.Academic bank of credits (ABC):

`Avanthi Institute of Engineering and Technology has already instructed its students and faculty to take up online courses through SWAYAM, NPTEL, etc. Most of the students have excelled in the above-mentioned online courses with elite certifications. We are awaiting our affiliated university to develop a system for executing the Academic Bank of Credits in a true spirit and to enrich students for a greater prospect of academic excellence.`

17.Skill development:

`Avanthi Institute of Engineering and Technology has been working for the overall development of the students since its inception. As part of R20 regulations, the following aspects were introduced to enhance the skills:`

- `Students were encouraged and provided with an opportunity to attain skillset through various Skill Development Programmes`
- `The courses such as "Universal Human Values", "Professional Ethics", "Essence of Indian Traditional Knowledge" and "Environmental Science" were introduced as mandatory courses for all Programmes of engineering to address issues of Gender Equality, Sustainability, Human Values, and Ethics`
- `Courses on Disaster Management, Non-Conventional Energy Resources, etc., are being offered as open electives to address Environmental aspects`
- `Value-Added Courses are being conducted apart from the Syllabi prescribed in the curriculum`

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

- `Avanthi Institute of Engineering and Technology believes in the 'wellbeing of all' and inculcates the habit of living with continuous fulfillment - right understanding (understanding harmony – truth) and living in harmony (love and compassion).`
- `Moral/ethical behavioral values are emphasized so that one can look at an issue from multiple perspectives and can formulate a position/argument based on ethical behavior. This will also help in dealing with aspects such as cheating, violence, littering, tolerance, equality, and empathy.`
- `Avanthi Institute of Engineering and Technology strongly believes that human and constitutional values will improve with these basic traditional Indian values such as`

seva, ahimsa, swachchhata, satya, nishkama karma, shanti, sacrifice, tolerance, diversity, pluralism, righteous conduct, gender sensitivity, respect for elders, respect for all people and their inherent capabilities regardless of background, respect for the environment, helpfulness, courtesy, patience, forgiveness, empathy, compassion, patriotism, democratic outlook, integrity, responsibility, justice, liberty, equality, and fraternity.

As a part of the Indian knowledge system implementation, the Avanthi Institute of Engineering and Technology

- Has made "Universal Human Values", "Essence of Indian Traditional Knowledge", and "Environmental Science" as mandatory subjects
- Faculty are encouraged to deliver classroom lectures in bilingual mode (English and Telugu)
- Conducts Yoga classes on a regular basis for all to preserve and promote Indian Culture and Traditions

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

Avanthi Institute of Engineering and Technology is very much keen on implementing an outcome-based curriculum leading to outcome-based education in terms of Skill, Knowledge, and Character Competencies. With this background, the curriculum is completely aligned with its, planning, teaching-learning strategies, assessment, and evaluation. To start with, the Institution constituted various statutory and non-statutory committees to ensure and adhere to the core philosophy of curriculum design framework right from the formulation of Program Educational Objectives, Program Outcomes (POs) i.e. transactional statements of Graduate Attributes and Program Specific Outcomes (PSOs) reflecting the minimum requirement of Program Specific Criteria which is described by Professional Lead Societies of Engineering Accreditation Commission (EAC), ABET. All are aligned in line with the Mission of the department as well as the reflecting the

requirement of the Institute.

- Initially, before the formulation of the curriculum, the voice of various categories of stakeholders are captured in the form of documented forms to understand the needs at local, regional, national, and international heights. Also, gap identification is done and the timeline is fixed to offer additional inputs to attain the expected outcomes
- The course outcomes for all the courses are formulated

understanding the depth of the delivery for each course and according to formulated various cognitive levels of Revised Bloom's Taxonomy

- The syllabus is framed based on the list of formulated course outcomes that enable the program to measure the attainment of POs and PSOs. Further customized assessment is formulated and specified in the syllabus
- All the curricula of the programs being offered are designed to follow multi- and transdisciplinary approaches promoting critical thinking and problem-solving skills which are the pinnacle of the outcome-based education
- Above all, the members of the faculty are also being sensitized frequently on the above aspects
- The teaching-learning process is ensured and aligned with outcome-based delivery by choosing appropriate learning activities and using appropriate teaching methods and ICT tools with appropriate assessment tools. Direct, In-direct assessment tools were developed along with Rubrics for the outcomes which are not quantifiable. Several MoUs with government and non-government organizations were done to offer industry-based delivery and integrated into the curriculum.

20.Distance education/online education:

Avanthi Institute of Engineering and Technology had internal discussions and planning to implement this scheme in the future after getting approvals from affiliating Universities.

Good practice/s of the institution pertaining to Distance education/online education in view of NEP 2020

- Deployed Learning Management Platform with good bandwidth of internet connection
- Competent faculty to develop content for vocational courses
- Provision for live broadcasting of video content

Extended Profile

1.Programme

1.1   **489**

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

File Description	Documents
Data Template	[View File](#)

2.Student

2.1   **2153**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2   **468**

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

File Description	Documents
Data Template	[View File](#)

2.3   **460**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1   **149**

Number of full time teachers during the year

File Description	Documents
Data Template	[View File](#)

3.2   **147**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1	**489**
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	[View File]

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File Description	Documents
Institutional Data in Prescribed Format	[View File]

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File Description	Documents
Data Template	[View File]

2.3	**460**
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	[View File]

3.Academic

3.1	**149**
Number of full time teachers during the year	

File Description	Documents
Data Template	[View File]

3.2 Number of sanctioned posts during the year	**147**

File Description	Documents
Data Template	<u>View File</u>

4.Institution

4.1 Total number of Classrooms and Seminar halls	**54**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**486**
4.3 Total number of computers on campus for academic purposes	**586**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The Institute ensures effective curriculum delivery through a well-planned and documented process. The Institute considers effective delivery of the curriculum as the most vital curricular aspect, further, it follows the curriculum prescribed by the JNTUK University through its Board of Studies. Few faculty members have worked on the Board of Studies and their sub-committees, substantially contributing to the curriculum development. The institute ensures effective curriculum delivery through systematic and strategic transparent mechanisms with the below operating procedures:

- **Teaching faculty is given the freedom to select subjects of their expertise, in turn, endorsed by heads of the respective departments in a transparent workload distribution mechanism.**

The syllabus, lesson plan, lecture notes, and additional

studymaterial are prepared as per the curriculum and made available to students before the start of every semester.

- **The academic committee oversees all the academic activities viz., preparation of effective timetables, syllabus completion, and conduction of practical sessions in Labs, Assessment tests, Project and Seminar reviews, and any other issues of academic.**
- **The Time Tables are displayed on the Notice Board and also uploaded on the institute website.**
- **Student evaluation is done in line with the university norms through Mid Exams [Online & Offline], Lab Internal and External Exams, Assignments, Tutorials, etc.,**
- **The course structure and contents of a course are oriented carefully to meet Program Outcomes and Program Educational Objectives.**

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.1.1%20Additional%20Information.pdf

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

Being Affiliated with Jawaharlal Nehru Technological University-Kakinada, the Institute follows a University prescribed curriculum and meticulously develops action plans for effective implementation with the same with the highest priority given to academic excellence. Faculty members are encouraged to impart the curriculum through innovative teaching methods including Powerpoint presentations, flipped classrooms, experiential learning, assignments, in-house peer discussions, workshops, seminars, industrial visits, and Elearning apart from regular/conventional chalk and talk methods. The standard operating procedures employed by the Institute to ensure effective curriculum delivery are briefed below:

1. **The academic calendar of the Institute reflects curricular, co-curricular, and extra-curricular activities planned for the semester which is based on the University calendar**
2. **The holidays considering Govt./University holidays and**

tentative dates for vacations are mentioned in the calendar. Any required changes/ reforms are included in the calendar for the present semester

3. The number of continuous assessments to be conducted is indicated in the calendar following guidelines and timeline provided by the university

4. Along with the internal assessments, the co-curricular and extracurricular activities are also mentioned in the calendar While preparing the calendar for the prevailing semester, compliance with previous years' academic calendars and deviations, if any, are taken as reference

5. The tentative academic calendar prepared by the Academic Committee Meeting & IQAC is discussedin the presence of all the Heads of Departments and AACmembers and it is finalized.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.1.2%20Additional%20Information.pdf

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

`B. Any 3 of the above`

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

1.2 - Academic Flexibility

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

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

174

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

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

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

21

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

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

1667

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

1.3 - Curriculum Enrichment

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

Yes, the Institute's curriculum effectively integrates cross-cutting issues relevant to gender, environmental sustainability, human values, and professional ethics and leads to a strong value-based holistic development of students. Various activities are organized throughout the year as a part of the curriculum that helps in this endeavor.

Gender Sensitivity:

Gender-related courses are an integral component of various programs. Gender sensitization camps are organized to educate about women's rights, human rights, child rights, gender justice, and gender equality. Compulsory core courses along with the wide range of community outreach programs that include health and hygiene camps, hole-in-the-wall, and village adoption, enable exposure to real-life situations. The Institute annually organizes seminars, conferences, guest lectures, exhibitions, and literary activities that help in gender sensitization.

Environment and Sustainability:

Environment awareness camps, Seminars, Workshops, Guest Lectures, Industrial visits, and Field excursions are organized. Environment Day, Earth Day, and Water Day are annually celebrated. AIET accords great importance to research in Interdisciplinaryareas focused on Renewable energy, Environmental pollution, Agriculture, Education, and Healthcare.

Professional Ethics & Human Values:

The subject "Professional Ethics & Human Values" is included as part of the curriculum. It is compulsory for all students, irrespective of any stream. Apart from this, we have initiated the Faculty to take part in the FDPs related to the Development of Professional Attributes for the OBE Curriculum & revert the information to students & Faculty for the development of these principles

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

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

182

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

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

1599

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

A. All of the above

from the following stakeholders Students Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.4.1%20Additional%20Information.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.4.1%20Additional%20Information.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

542

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

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

supernumerary seats)

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

330

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

2.2 - Catering to Student Diversity

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

Assessment Mechanism:

The Institute constantly focuses on the learning levels of students as they hail from diverse backgrounds. One of the primary parameters of the students is the assessment of their learning levels. In the first step, the segregation of the students is done based on the results of the assignments and the first Mid examination. The slow learners are identified from the result analysis of Mid-I and remedial classes are conducted for them till Mid-II exams. The students are provided with preliminary resolutions, the institute has taken the initiative to upgrade the teaching and learning process to the next level by the implementation of a Teacher's diary.We will assess the student with the following steps.

Step 1: The same assessment is done before & after the Mid Internal examinations to identify the students for slow learner / fast learner programs. Step 2: An action plan for slow learners and fast learners is implemented such as remedial /GATE/CRT classes.

Step 3: Conduction Backlog Classes for students to boost up the student's benefits whofail university End Exams.

Slow learners:

In the remedial classes, faculty will concentrate on some important concepts and the previous year's end-semesterexam question papers to ensure that students get the maximum practice of the topics covered. This helps around the 12-17% backlog of

students to clear the subjects with confidence.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.2.1%20Additional%20Information.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
2153	149

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Avanthi Institute of Engineering & Technology adopts a student-centric approach to make Teaching Learning process more effective for the holistic development of students through experiential learning, participative learning, and problem-solving methodologies. The overall improvement in student profiles can be obtained by providing opportunities to participate in various hands-on activities apart from the prescribed curriculum.

1. Experiential learning:

Industrial visits: More than 60% of the students frequently visit various industries, factories, power plants, PSUs, and large construction sites to get practical exposure to the functioning of Industrial equipment, contemporary technologies, and standard procedures of professional organizations.

Field works/ Internships: The main objective of Field works or Internships is to improve career advancement opportunities and

offer real-time work experience while undergoing graduation in a particular field/discipline of Engineering.

Socially relevant projects/Case studies:Students are encouraged to perform societal case studies, carry outreal-time surveys to identify socio-economic issues to be addressed and create awareness in the neighboring community and solve issues through socially relevant projects.

2. Participative Learning:

Expert Talks, Workshops, and seminars: Students are encouraged to involve in workshops, expert talks and seminars, and awareness programs organized by the institute in association with various professional bodies inviting esteemed experts of various industries.

3. Problem-Solving Methodologies: Projects: All the students work on projects for a period of six months in several phases that include a literature survey, problem identification, methodology, result analysis & conclusion to solve real-time societal problems with the use of technical knowledge, Engineering skills, and simulation tools.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.3.1%20Additional%20Information.pdf

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

Information and Communications Technology (ICT) has made considerable progress to become an integral part of the modern-day education system. Dadi Institute of Engineering and Technology uses ICT-orientedcurriculum development with over 60% of the ICT-enabled lecture halls, laboratories, E-Class rooms, seminar halls, etc., as a part of the State-of-the-art infrastructure in the institute.

List of ICT tools

- **Projectors**
- **Computer & Laptops**
- **Headsets**
- **Printers**
- **Scanner**
- **Photo Copier Machines**
- **Online Classes through Zoom, Google Classroom and Google Meet**
- **ECAP (Engineering College Automation Package)**
- **CD/ DVD**
- **ICT Usage by Faculty**
- **YouTube Sharing**
- **Video lectures.**
- **PowerPoint Presentation**
- **Online Workshops**
- **Online Quiz**
- **Online awareness sessions**
- **Webinars**
- **Online Contests**

Education around the world is transforming with significant changes in methods and methodologies of teaching and learning with the ICT-enabled learning environment. The conventional learning methods such as chalk and talk, dissemination of facts, practices, rules, and procedures were adopted in earlier days, whereas learning through problem identification, inquisition and design of solutions, innovative methods, creativity and diversity in thinking is apt for the recent times. The transition is happening from teacher-centriclearning to student-centric learning using the virtual learning environment by integrating ICT.

Tools for learning:

Various licensed and open-source software tools in the laboratories (MATLAB, ECAD, PSPICE, AUTOCAD, etc.) are provided to students for the model, simulation, and evaluate various scenarios.

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

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

2.3.3.1 - Number of mentors

149

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

2.4 - Teacher Profile and Quality

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

149

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

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

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

18

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

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

2.4.3.1 - Total experience of full-time teachers

723

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

2.5 - Evaluation Process and Reforms

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

Mechanism of Internal Assessment: The Institution has an examination Cell to conduct various Internal and External examinations both in theory and practical mode of evaluation. At the beginning of the semester, it collects three sets of question papers for all MID examinations out of which one set will be selected to conduct the MID Examination. The examination system adopted at Avanthi Institute of Engineering and Techn is very significant and grievancesology never crossed 0.001% from any stakeholders. However, if any grievances arouse, within 72 hours the cell will rectify the problem transparently. Mobile phones and study materials are strictly prohibited to carry into examination halls either by students or invigilators. The dignity and decorum of the invigilator are most vulnerable in the examination hall . The invigilator is expected to be vigilant and take frequent rounds in the exam hall. Mostly, the Teaching staff is drafted as invigilators. Subject teachers should not be posted as invigilators in the examination halls.

After entering into the examination Hall, invigilators are instructed to check the prerequisites like seating arrangement, dress code, and ID card of the students, if any ambiguity arises, the invigilators must report to the chief superintendent for an immediate solution. The subject teacher is expected to collect the MID answer scripts from the examination cell on the day of the exam itself. The subject teacher needs to submit duly evaluated answer scripts to the examination cell within 48 hours after completing verification done by the students and to assess the outcome-based education etc.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.5.1%20Additional%20Information.PDF

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

The institute has a well-structured and dynamic Internal Examination Grievance Cell, linking students with the faculty in the continuous evaluation process. The cell follows the guidelines of the affiliated university for conducting internal examinations and redressing grievances.

- Internal examination for every semester is conducted as per the timetable given by the university.
- Proper seating arrangement for each class is made with an internal jumbling mechanism
- All the necessary steps are taken to avoid malpractices in the examination hall.
- Monitor the internal examination process.
- To solve the student's grievances related to the internal examination.
- To solve the teacher's grievances related to the internal examination.

Procedure for grievance Redressal

- Students have to approach their respective examination coordinators.
- An application duly stating the grievances to the exam section is to be forwarded through the concerned HoD.

- **Having gone through the application, the exam section will forward it to the Principal.**
- **The Principal in consultation with the concerned faculty will examine it in detail and make a remark on the application before sending it back to the examination department.**
- **After taking the necessary steps, the grievance will be resolved with the panel of committees constituted by the institute in a completely transparent manner within 72 hours.**

File Description	Documents
Any additional information	[View File]()
Link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.5.2%20Additional%20Information.PDF

2.6 - Student Performance and Learning Outcomes

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

Programme outcomes are taken as prescribed by the National Board of Accreditation (NBA). In addition, by considering the requirements given by the lead society, every programme has formulated 2 outcomes that are specific to the programme viz., programme-specific outcomes (PSOs). The statements of POs and PSOs are well disseminated to all stakeholders through appropriate channels. Concerning Course Outcomes, for the curriculum given by the university, the syllabus of every course is given with 4 to 6-course outcomes. However, they are rephrased in line with Revised Bloom's Taxonomy (RBT) and are made 6 in number for all the courses. This exercise is done whenever a new curriculum comes into implementation for the first time.

Sufficient care has been taken by the institute while formulating the autonomous curriculum and syllabi. The institute has a standard operating procedure (SOP) for the formulation of course outcomes. All the faculty members are educated and empowered to do this exercise. The course outcomes are formulated and 2D mapping of it is done against the POs addressed and the Depth of Knowledge covered.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2020-2021/2.6.1%20Additional%20Information.pdf
Upload COs for all Programmes (exemplars from Glossary)	[View File](#)

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

Yes, Each course has a predefined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs.

CO Attainment Assessment methods include direct and indirect methods. The process of course outcome assessment by the direct method is based on mid-examinations, semester-end examinations, and quizzes. Each question in mid/semester end/assignment/quiz is tagged to the corresponding CO.

1. Mid Examinations are conducted twice a semester and each of them covers the evaluation of all the relevant COs attainment.
2. Semester End Examination is descriptive, and a metric for assessing whether all the COs are attained. Mid Examinations: 60% of the marks obtained Assignments: 60% of the marks obtained Sem end Exams: 40% Marks

Rubrics:

Rubrics for Semester end exams:

End exam performance: >= 80% - Grade 3 End exam performance: 60% to79% - Grade 2 End exam performance: Less than 50% -Grade 1

File Description	Documents
Upload any additional information	[View File]()
Paste link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.6.2%20Additional%20Information.pdf

2.6.3 - Pass percentage of Students during the year

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

460

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File]()
Upload any additional information	[View File]()
Paste link for the annual report	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.6.3%20Additional%20Information.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://aietta.ac.in/iqac/Students-Satisfaction-Survey%20(2021-2022).pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

11.91

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

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

3.1.2.1 - Number of teachers recognized as research guides

01

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

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

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

6

File Description	Documents
List of research projects and funding details (Data Template)	*View File*
Any additional information	*View File*
Supporting document from Funding Agency	*View File*
Paste link to funding agency website	*https://rrenggservices.com/ https://rrenggse, vices.com/, https://www.iflyacademy.com/, https://www.grafx-itsolutions.com/, https://teckteamsolutions.com/index.php, https://aietta.ac.in/*

3.2 - Innovation Ecosystem

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

Avanthi Institute of Engineering and Technology has a vibrant R &D Cell, an apex body to guide the AIET research community and innovation for the creation and transfer of knowledge among students and staff.

AIET is having a separate Research and Development Cell. The cell comprises faculty members from each department of the institute. A senior professor having handsome experience and expertise in the versatile research field. R&D cell in the capacity of Coordinator(R&D), with the principal presiding over. The committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth.

The research purposes of the AIET R&D cell are to foresee future problems through the pursuit of truth as a "global center of excellence for intellectual creativity", to respond to current social demands, and to contribute to the creation and development of scientific technologies with the aim of realizing an affluent society and natural environment for humanity. At the same time, AIET aims to create excellent educational resources and an excellent educational environment through frontline research.

To achieve the above-mentioned purposes, the following objectives are set:

- Aim to globalize research and education
- Provide suggestions for the future of humanity and the earth, based on high-level academic foundations and vision
- Conduct researches that contribute to the development of human resources who can play a leading and core role in society and researchers who can conduct cutting-edge research

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/3.2.1%20Additional%20Information.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

11

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

05

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

18

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

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

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

4

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

The college has tried its best for a noteworthy contribution to the society and environment by making a participation to promote college-neighborhood-community. It has given more stress on the service-oriented activities making more engagements of the students for holistic development to f the students contributing to good citizenship. The NSS group has taken so many initiatives involving the teaching and non-teaching staff of the college to their best.

we have adopted 5 villages nearby and trying to solve their problems related to uncleanliness, unhygienic, Go Green, Mobile awareness, awareness regarding the use of polythene, AIDs awareness programs, etc. We have organized several medical camps like Dental check-ups, and regular health check-ups in the rural areas as well as on the college campus. Blood donation camps in collaboration with the Rotary Cluband Red Cross Society of India were organized many times.

We have organized the Following Programs.

- **Environment Day**
- **Awareness program on Child Labour in Chippada Village**
- **Yoga Day**
- **Vanam and Manamu**
- **Blood Donation Camp**
- **Awareness of Gender Equity**
- **Nutrition Day**

- **Engineers Day**
- **Vaccination Drive**
- **Cleanliness Drive in adopted Village Chippada**
- **Womens Right Program**
- **Swatha Bharath Program**
- **Beti Bachavo Beti Padhao Ralyy at Thagarapuvalasa**

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/3.4.1%20Additional%20Information.pdf
Upload any additional information	View File

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

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

7

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

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

18

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

646

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

21

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

13

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution ensures adequate availability and optimal utilization of physical infrastructure as it is critically linked to the vision of the Institute. At the beginning of the academic year need-assessment for replacement, up-gradation, addition to the existing infrastructure is carried out based on the suggestions from ACM (Academic Committee Meeting) members, Heads of the departments, lab technicians and system administrator by considering the parameters like course requirements, computer-student ratio, budget allocations, working condition of the existing equipment and also suggestions from students. The Academic committee plans ahead for all requirements regarding classrooms, laboratories, furniture and other equipment for ensuring smooth and effective teaching learning practices.

1. Optimal deployment of infrastructure is ensured by conducting workshops, awareness programs and training programs for faculty on the use of new technology.
2. Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians, system administrators.
3. The available physical infrastructure is optimally utilized

even beyond regular institute hours, to conduct certificate courses, co-curricular activities, extra - curricular activities, parent teacher meetings, Campus Recruitment Training (CRT) sessions, campus recruitments, meetings, seminars, conferences etc.

4. The Infrastructure of the institute is being used to conduct various examinations and entrance tests of State Government and National importance without disturbing the regular curricular and research activities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.1.1%20Additional%20Information.pdf

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

The institution gives adequate importance to Sports and games. AIET has three large playgrounds with provision for multiple outdoor games, such as Cricket, Football, Volleyball, Basketball, Kabaddi, Throw Ball, Kho-Kho, etc. Indoor games are also available such as Table tennis, Carroms, and chess. The institution hosts inter University zonal tournaments on campus. The gymnasium is available at the Department of physical education. A 200-capacity auditorium is provided for Yoga. International Yoga Day is celebrated every year. All facilities are provided with well-equipped assembly halls for organizing annual functions and cultural events.

The college provides a number of facilities for supporting extracurricular activities related to culture, creativity, arts, and recreation. An Indoor auditorium was constructed for cultural activities with a built-up area of 1858 sq.m which can house 3000 members and an open auditorium to accommodate more than 2000 for organizing various events. The college encourages students to participate in various college-level, state-level, and national-level competitions by providing financial support. Five grand cultural events were conducted every year. A spacious Air-conditioned Hall with audio-visual facilities is available to cater to the needs of the students to involve in various cultural activities. The hall is also used to screen selected inspirational

and motivational movies.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.1.2%202021-2022.pdf

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

44

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.1.1%20Additional%20Information.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

11423820

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

4.2 - Library as a Learning Resource

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

The library is automated with Software for University Library (SOUL) (2.0 Version) software for easytransaction and circulation of books through Bar-coded ID cards. The library has 20 computers for students to access with a speed of 50Mbps internet facility, a printer, and 2 Xerox machines. Users can access the online information about the availability of books. Online Public Access Catalog (OPAC) is a library catalog accessed via a computer terminal for the benefit of library users. The basic purpose of the OPAC is to create a database of library holdings that provides an online catalog to help users in identifying and searching resources. Users can search for a document, confirm its availability, reserve the book, and even issue/return the material, etc. At any point in time, the electronic catalog is at the front line of service technology. With the growth of computer networks, users are able to access the library OPACs. Resources can be accessed through Wi-Fi on campus. Articles can be downloaded by the users from the e-journals by using their user id and password allotted by the institution.

Digital Library: The institution has a digital library with 20 computers in the central library and is accessed from any department through campus LAN. It has a reasonably good collection of e-journals like IEEE, ELSEVIER, DELNET, J Gate, and N-List e-books. NPTEL videos, e-books, GATE papers, old question papers, and e-journal articles are available in the digital library for easy access.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.2.1%20(2021-2022).pdf

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

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

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

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

518993

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

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

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

694

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

4.3 - IT Infrastructure

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

In this electronic communication era, internet communication plays a vital role in the teaching-learning process. To fulfill the norms of AICTE and the University, the institute has a very strong IT infrastructure. Institute aims at providing futuristic facilities to its students so that they can utilize these

resources to reach greater heights. To enable this, the institution frequently updates its IT facilities to provide the best facilities. Our classrooms are equipped with LCD projectors and supported by audio-visual systems. The entire campus is monitored by CCTV cameras installed at strategic places.

- IT Policy is being documented for fair and transparent academic purposes for the use of various IT resources on the campus for students, Faculty, Staff, Management, visiting guests, and research fellowship members.
- Due to the policy initiative and academic drivers, IT resource utilization on the campus has grown by leaps and bounds during the last decade.
- AIET has a network connection to every computer system covering every building across the campus.
- The Centre for Technical Support is the department that has been given the responsibility of maintaining the institute's internet and intranet service.
- The Centre for Technical Support is running the firewall security, DHCP, DNS, email, web, and application servers and manages the network of the institute.
- AIET is getting its internet bandwidth from Orange Fiber. Total bandwidth availability from the
- Orange Fiber source is 1TBPs (Leased line 1:1).

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

4.3.2 - Number of Computers

630

File Description	Documents
Upload any additional information	[View File](#)
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

60993210

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

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

Maintenance of physical and academic facilities: There are established systems and procedures for maintaining and utilizing physical, academic, and support facilities like laboratories, libraries, computer labs, classrooms, etc. Our institute has a very effective internal coordination and monitoring mechanism. The principal monitors various curricular and co-curricular activities with the help of conveners and members of the committees. The principal carries out administrative activities. Along with this, IQAC is functioning actively and effectively for quality sustenance and enhancement. Procedures for maintaining and utilizing physical and academic support facilities are as follows.

Sports: For maintaining and utilizing sports facilities, Institute has an efficient Physical director. He looks after all essential sports activities as per the schedule of JNTUK University regarding the sports competitions, Physical director brings to the

notice of all students for their entries to participate in various events.

Laboratories: For maintenance and up gradation of computers and other lab equipment institute takes help from system administrators and technical staff. The maintenance is done as per the requirement of the institute. Institute checks the maintenance of computers, CCTV system, and other lab equipment with the members of CAC and with external dealers. Stock verification of departments is done on a regular basis. Faculty and staff members are involved in stock verification processes.

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 benefited by scholarships and free ships provided by the Government during the year

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

1408

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

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

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

251

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/5.1.3%20Additional%20Information.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1945

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

1945

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

280

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

9

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

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

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

22

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

5.3 - Student Participation and Activities

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

one) during the year

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

6

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

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

Students constitute a major stakeholder in institutional growth. Utilization of the support and ideas of the students is the most important requirement for the prosperity and well-being of the institute. AIET always strives to build a relationship of mutual respect and inculcate a sense of pride among the students for their own institute. Students take active participation by representing themselves in various academic, administrative bodies, co-curricular and extracurricular committees of the institute. Students organize and celebrate various academic, sports, and cultural events.

The active participation of the students in the above cited activities enhances their communication skills, management skills, leadership skills, teamwork, time management, delegation of work, and resource management ability and boosts their confidence levels. The following are the academic, co-curricular, and extracurricular committees where student representation exists.

Various Students' Forums / Clubs / Cells listed below function on the campus to take up different events and activities for students:

- NSS

- **Alumni Committee**
- **Women's Club**
- **Anti Ragging Committee**
- **Grievances and Redressal Committee**
- **R&D Committee**
- **Web Committee**
- **Sports and Games**
- **Training and Placement**
- **Canteen**
- **Transport**

The students conduct seminars, career guidance, and quality improvement programs throughout the year by inviting resource experts from industries and other institutions. Industrial visits to various industries are also arranged by the students as a part of their curricular activities. Various student chapters of professional bodies.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/5.3.2%20Additional%20Information_compressed.pdf
Upload any additional information	View File

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

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

41

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

5.4 - Alumni Engagement

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

The major objective of the Alumni Association is to maintain and enhance the relationship between the Institution and Alumni. The feedback of the Alumni is important in shaping the co-curricular and placement activities of the institute thereby helping in the overall development of the institute.

At present the Institutional Alumni Association is engaging the Alumni to conduct guest lectures, technical talks, and interaction with juniors. This is achieved through the Alumni cell and the Training and Placement cell. The interaction and experience provide a clear picture to the junior students the real-time Industries exploration. The Alumni further guide the juniors to perpetrate competitive exams and higher education in Indian and Foreign Universities. A majority of the Alumni are in contact with the students, Faculty, and Administration through online Professional platforms like WhatsApp, Facebook, and LinkedIn. Their advice/ suggestions/ opinions are useful in shaping the co-circular and placement activities. Some of the activities carried out by the Alumni include:

1. A few of our Alumni are entrepreneurs and they help the juniors in placement/ Entrepreneurship activities.
2. Some of our Alumni are in leadership positions in top MNCs of the country like TCS, Infosys,Wipro etc. They guide the junior students for placement training/interviews.

The Institute plans to conduct one Alumni meeting every year to ensure the wider participation of Alumni in different activities of the college for the benefit of students.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/5.4.1%20Additional%20Information.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

D. 1 Lakhs - 3Lakhs

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 and in tune with the vision and mission of the institution

Vision:

To develop highly skilled professionals with ethics and human values.

Mission:

1. **To impart quality education with industrial exposure and professional training.**
2. **To produce competent and highly knowledgeable engineers with positive approach.**
3. **To self-confidence among students which is an imperative pre requisite to face the challenges of life.**

To realize the vision and mission, the institute adopts a system-driven and participatory mode of governance with all stakeholders (students, staff, management, parents, alumni, employer, and societal representatives) participating actively in its administration at different levels with accountability.

The Apex body - The governing body

- **College Advisory Committee**
- **College Academic Committee**
- **Examination Committee**
- **Finance Committee**
- **Academic Committee**
- **Department Advisory Committee**
- **Research Committee**
- **CarrierGuidance, Placement, and Training Cell**
- **IQAC**
- **Other Functional Committees**

Quality Policy:

Avanthi Institute of Engineering and Technology, emphasizes the ethical ideals to innovate advanced training by creating the best possible infrastructure through an engaging, activity-oriented teaching. It also uses the most updated information and communication technology to enhance an engineering approach among the students, aiming for an effective and ambitious administration which is responsive in all the aspects.

Published and displayed the Vision and Mission of the institute at the following locations:

1. Institute's website
2. Principal Chamber
3. HOD Chamber
4. Notice Boards
5. College Library
6. Academic Regulations & Curriculum Book
7. Class Rooms/Labs
8. Corridors

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.1.1%20Additional%20Information.pdf
Upload any additional information	View File

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

Institutional Practices for effective leadership: In order to attain the institutional short-term and long-term goals, the institute practices effective leadership in a transparent manner.

Short-term Goals

1. To strengthen the Centre of Excellence (COE) in Engineering and Technology and to set up more incubation Centers and Startups.
2. To strengthen Institute/Industry/Alumni interaction to enable better placements and get an increased number of internships.
3. To get recognition as a Research Centre by affiliating university.

4. Participate in AICTE Margdarshan to upgrade the level of other institutions.
5. Faculty/Student Exchange

The practices of decentralization and participative management are as follows:

- Chairman, Governing Body
- Director
- Principal, Vice-Principal
- CampusDevelopment), Academics, Carrier Guidance, Training & Placement, Examinations, Institutional Coordinators of IQAC, R&D
- HoDs
- AICTE recommended statutory essential and desirable committees like Grievance, Anti-Ragging,
- ICC (Internal Complaint Committee)
- Functional committee coordinators, student bodies, alumni, parents, employers, and other stakeholders

The Functional committees namely:

- Governing Body
- Academic Planning and Advisory Committee
- Institute Academic Committee
- R&D (Research and Development) Committee
- IQAC (Internal Quality Assurance Cell) Committee
- Training and Placement committee
- Academic Review Committee
- Food and Canteen Committee
- Examinations and Evaluation Committee
- Grievances and redressal Committee
- Internal Complaints Committee
- Library Committee
- National Social Services Committee
- Literary and Cultural Committee
- Anti-Ragging Committee
- Games and Sports Committee
- Admissions Committee
- Scholarships/ Student Welfare Committee
- Women Empowerment Committee

The functioning of the above-said committees is at the Institute level. They conduct monthly, quarterly, and yearly meetings to discuss regular issues, and the problems, if any are found are resolved immediately

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.1.2%20Additional%20Information.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development:

- Curriculum enrichment through Add on Courses and Certificate Courses
- Adopted Elective Courses as prescribed by Affiliating University JNTU Kakinada
- Open Electives across the programs to enhance the professional competency of the students
- Collection of feedback on curriculum from stakeholders

Teaching and Learning:

- Extensive use of ICT in teaching and learning beyond classrooms
- Involving experts from industry, research, and academic institutions
- Focus on experiential learning and participatory learning
- Student Seminars, Assignments, Projects, and Fieldwork are part of the curriculum
- Remedial and backlog classes are being conducted for slow and backlog students respectively
- The advanced learners take partnerships in innovative projects

Examination and Evaluation:

- As the institute is affiliated with JNTU Kakinada, we are following policies and reforms which are made by the university from time to time
- As part of the internal assessment course instructors conduct two assignments on the topics related to First MIDand Second MID
- Online Quiz examinations are being conducted as directed by

Affiliating University

- **Practical/laboratory internal assessment is being made based on the day-to-day performance, record, and internal examination followed by viva**
- **To evaluate UG/PG Projects, the institute's PRC (Project Review Committee) conducts three internal reviews and external viva-voce as per the directions of Affiliating University**
- **Videography and Double valuation in the internal examination for all PG Courses**
- **A grievance cell for examination-related grievances is in operation**

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.2.1%20Additional%20Information.pdf
Upload any additional information	View File

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

Administration: The institute has a structural administrative setup to implement various policies. The institutional bodies (functional committees) also function as a part of the administration.

Principal: The principal shall be the Head of the Institution. He shall be the immediate superior to all the members of the staff working in the Institution. He shall be assisted by Vice Principal and other non-teaching staff in discharging his duties and responsibilities. The Principal shall be in communication, wherever necessary, with the Heads of the Departments and parents/guardians of the students. There shall be a Principal's office consisting of an Administrative officer, other admin, and non-teaching staff. The office shall maintain the admission registers, scholarship accounts, casual leave, compensatory leave, etc., of the teaching, admin, technical, and non-teaching staff of the Institution and other such records necessary for effective administration.

Vice Principal will be looking after the implementation of

academic and administrative issues as per the the direction of the Principal.

Head of the Department The Head of the Department is appointed by the Principal of the Institution. Generally, the senior faculty from the concerned department shall be nominated on a rotation basis as the Head of the Department for a specific period. The principal will consider appointing a Professor to be the Head of every Department.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.2.2%20Additional%20Information.pdf
Link to Organogram of the institution webpage	https://aietta.ac.in/about.php
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

The institution has adopted prospective welfare schemes for teaching and non-teaching staff. The following are the welfare measures:

1. Group Insurance
2. Leaves
3. EPF
4. Sponsorship for Higher Studies – Ph.D. Full Time / Part Time, PDF
5. Sponsorship to attend Seminar / Paper Presentation / Conferences
6. Free Trasport
7. Medical Leaves
8. Sponsorship to attend Quality Improvement and Faculty Development Programme
9. Revenue sharing with faculty in Consultancy / Testing
10. Cash incentive for Paper Publications, R&D work
11. Cash incentive for membership in Professional Bodies
12. Best Faculty award
13. CCL
14. Duty Leaves
15. Study Leaves

Non-Teaching Staff:

1. Group Insurance
2. Leaves
3. EPF
4. Free Uniform and Shoes
5. ESI
6. Free Transport
7. One month's salary is offered to the non-teaching (Administration and Supporting) staff as a fringe benefit at the time of his/her marriage.
8. All supporting staff who are having five and above years of service are offered Rs.5,000 as financial support at the time of this/her child's marriage (One-time only).

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.3.1%20Additional%20Information.pdf
Upload any additional information	View File

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

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

106

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

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

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

14

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

114

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

The institution regularly maintains a self-appraisal system for both teaching and non-teaching staff. The teaching staff members are eligible for rewards and welfare activities based on their performance, contribution, and years of service at the institution.semester-wise as well as year-wise. Semester-wise, awards, and rewards are considered according to the results in theory papers, and also Best Teacher award will be presented to one faculty every year based on the selection of received applications as stipulated from time to time. Silver medals and cash awards are also presented to the best performers.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.3.5%20Additional%20Information.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The institute has an effective mechanism for auditing the accounts. It conducts internal and external financial audits regularly with transparency. The observation made during these audits is considered with utmost responsibility and action is

taken to rectify immediately.

Need for Financial Auditing:

- Monitoring the effectiveness of internal controls and proposing improvements
- Evaluating risk management policies and procedures
- Examining the effectiveness, efficiency, and economy of operations and processes

Internal Audit:

The internal auditor examines records of the transactions, ensures compliance with the management system procedures, and tests the effectiveness and implementation of internal controls. They evaluate the internal controls and make recommendations for improvement.

External Audit:

YS REDDY & Co, Chartered Accountants have been our StatutoryAuditors and will complete the process of statutory audit regularly as per Government rules and assure the institution of various compliances.

Audit Procedure Includes:

Disbursements are supported by appropriate source documents Periodic/timely reconciliations are performed of the department's statement of condition, trust Accuracy of amounts, and receipt of income from investments

External Auditor reported that the financial statements give true transparency in conformity with the accounting principles on the Balance Sheet and Income & Expenditure Account.

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.4.1%20Additional%20Information.pdf
Upload any additional information	View File

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

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

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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

The institute has an effective mechanism for auditing the accounts. The accounts of the institute are audited by chartered accountants regularly as per Government rules. When there are additional expenses over and above the budget proposals, a specialsanction is to be taken from the management. The Accounting and Audit Committee looks after the Internal Audit and it is presented to the certified Chartered Accountant. External and Internal Financial Audits have been done for the financial year 2021-2022.

The Governing body of the institute has well-formulated strategies for financial and infrastructural policy. The management of AIET ensures effective, optimal, and efficient use of financial resources. Sources of Funds:

- Tuition Fee
- JNTU Registration & Infrastructure Fee
- Affiliation Fee
- Bus Fee
- Admission Fee
- R & D Consultancy Projects
- Examination Receipts
- Funds from AICTE

The major source of revenue for the institute is the Annual tuition fee collected from students.

Utilization of Funds:

The budget of the Institute is prepared every year by the Institute for proper distribution of the funds and their utilization. The college budget is allocated based on the needs. All the departments are requested to submit an estimate of requirements for their respective department which is discussed under various heads of their department. Budget approvals will be communicated to the departments and sections. The requests are consolidated and reviewed by the Administration team and funds are allotted. The utilization of allocated funds is monitored periodically and reviewed at the end of the Financial Year.

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.4.3%20Additional%20Information.PDF
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

IQAC has institutionalized the practices as a result of IQAC initiatives. Some of the achievements of the Institution are:

1. Institute Innovation Council
2. Teaching Learning Process- Outcome-Based Education
3. Feedback System
4. Research and Consultancy projects
5. Training and Placements

1. Institute Innovation Council:

AvanthiInstitute of Engineering & Technology is registered as a member of the Institution's Innovation Council (IIC) of the Ministry of Education (MoE) in collaboration with AICTE to systematically foster the culture of innovation and start-up ecosystem in the Institute. The primary role is to engage a large number of faculty, students, and staff in various innovation and entrepreneurship-related activities.IQAC has been guiding IIC (Institution's Innovation Council) to participate in the MoE Rankings.

2. Teaching Learning process – Outcome-Based Education

IQAC has been insisting all the departments implement innovative teaching methodologies like Participatory Learning, Experiential Learning, Flipped/Blended Learning, and Project-based Learning. IQAC has been guiding faculty to impart and implement outcome-based Education. IQAC instructs all the faculty members to prepare the Course Outcomes for each course and to carry out the CO-PO attainment process of their respective courses after the release of the End Examination results by the university. IQAC reviews the CO-PO attainment analysis and advises the faculty members to set new targets for the attainment of their respective courses in the next academic year.

Thus, IQAC has been continuously contributing to institutionalizing the above quality assurance strategies and processes.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.5.1%20Additional%20Information.PDF
Upload any additional information	View File

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

Avanthi Institute of Engineering and Technology has been implementing a strong teaching-learning process. The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.

The following are examples of institutional reviews and implementation of teaching-learning reforms facilitated by IQAC.

Reviews of the Lesson plan, Lecture Notes, and other Course File related documents and implementation of teaching-learning reforms are monitored:

IQAC informs all the faculty members to prepare the Lesson plan and other Course File related documents. All these course-related documents are shared with the concerned class students. Class Teachers will regularly be in touch with students and take feedback about teaching and learning, and syllabus coverage.IQAC

has been insisting all the departments implement innovative teaching methodologies like Participatory Learning, Experiential Learning, Flipped/Blended Learning, and Project-based Learning. IQAC has been guiding the faculty to implement outcome-based Education through traditional and Innovative Teaching Learning Processes Thus the teaching-learning process is reviewed during each semester by IQAC.

Reviews and implementation of teaching-learning reforms and conduction of academic audit:

Faculty members are informed to prepare Mid Marks Analysis after completion of the First Mid. Remedial classes are conducted for students whose performance is less than 70% in Mid Examinations. IQAC conducts the academic audit for all the courses of every semester. IQAC analyses the non-compliances of the courses during the academic audit process and the same is informed to the respective faculty members to make the non-compliances to comply.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.5.2%20Additional%20Information.PDF
Upload any additional information	View File

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

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://aietta.ac.in/iqac.php
Upload e-copies of the accreditations and certifications	[View File]()
Upload any additional information	[View File]()
Upload details of Quality assurance initiatives of the institution (Data Template)	[View File]()

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution ensures that several measures are taken to promote gender equity by conducting the following co and extracurricular activities. For the safety and security of women in the institute women empowerment cell is established to sensitize all the women faculty and girl students about various safety and security issues and address the grievances through the grievance redressal cell. Under this umbrella sensitization on women's protection, Women Empowerment: Hearing the unheard voices was conducted online mode during this academic year. To resolve issues (academic and personal), an exclusive committee takes care of the girl students and women staff. To create adequate privacy separate common rooms are provided for the girl students in each academic block and library. The Institute celebrates Women's -day in a grand manner and presents success stories of famous women to inspire the girl students and to make them understand their potential. Women Empowerment Committee is organizing various events including guest lectures to empower and support young minds in achieving their goals. The institute has a policy of appreciating faculty without gender bias. Women faculty are nominated, based on their ability, as heads of the departments and conveners of various committees and discharging their duties efficiently.

File Description	Documents
Annual gender sensitization action plan	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.1%20%20Annual%20gender%20sensitization%20action%20plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.1%20Specific%20facilities%20provided%20for%20women.pdf

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

A. 4 or All of the above

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

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

AIET has designed methods for the management of waste generated in the campus using the basic waste management strategy of 3R's: Reduce, Reuse, and Recycle. 'Use and throw' items used in the college canteen are replaced by reusable items steel glasses and plates. Food waste and non-biodegradable waste are collected in separate bins. Biodegradable waste is disposed of in dumping yards especially earmarked for the purpose.

- **Wastewater generated from the sanitary facilities is disposed ofin septic tanks located at different places.**
- **The excess wastewater will be directed into a natural drain passing nearby the college campus. There are absorbent pits on the college campus which are especially used to absorb liquid waste released from the laboratory**
- **RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc. E-waste is disposed**

of through vendors. parts of computers are used for practical purposes by students of computer science and Engineering.

- **The College office is partially paperless. Different varieties of plants**

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **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
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

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

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

Institute has taken the following efforts /initiatives for providing an inclusive environment to enhance harmony towards cultural, regional, linguistic, communal, social economic, and other diversities. Every year the institute prepares an academic calendar to keep students, faculty, and staff reminded of key dates throughout the academic semester and year. The academic calendar shows the information related to all important days (like Abdul Kalam Anniversary, Yoga Day, Christmas Day, etc.) which are celebrated at the institute level. To incorporate multi-linguistic and cultural diversity and to promote a participative spirit in all the national and religious festivals throughout the Institution.

We celebrate Pongal, Ganesh puja, Diwali, Christmas, etc. We have organized various sessions on Indian Knowledge System and the policies implemented in NEP 2020. The aim of these celebrations is to inculcate the notion of equality among the students and to make them aware of various cultures. Our country is well known for its history. We promote the pride of our country by conducting events like Azadi ka Amrit Mahotsav, book-reading events, quizzes, poetry and literature exchanges, and other activities that promote the language.

To celebrate Women's Day, the institute organizes various sessions for women employees and students to increase awareness associated with women's rights, safety, security, and health issues. To protect the environment and preserve our ecosystem institute routinely organize activities like tree plantation, Swacch Bharat, and traffic management. These activities protect our cultural heritage and make our students active citizens of the Swachh

Bharat Mission.

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

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

Being a citizen of India, duties and responsibilities specified in the constitution of India are: respecting the National Flag and National Anthem, obeying the laws of our country, safeguarding public property, paying our taxes with honesty, protecting and preserving cultural heritage sites, improving the natural environment, maintaining the spirit of common brotherhood.

On 15th August Independence Day is celebrated with great zeal and respect at AIET by unfurling the tricolor flag, singing the National Anthem, and organizing cultural programs to express the joy of our freedom.

Republic Day is celebrated on 26th Jan by hoisting the National flag and pledging to uphold the honor and integrity of the nation. The importance of the Indian constitution is highlighted in the program by conducting cultural items such as patriotic songs, folk dances, and speeches.

January 25 is celebrated as "National Voter's Day" by organizing interactive sessions to encourage the young voters to cast their votes in the government of India elections.

AIET has introduced a compulsory paper on the Constitution of India at the UG level across all engineering\ disciplines for creating awareness and sensitization among the students and employees to constitution obligation.

National Youth Day is celebrated on the birthday of Swami Vivekananda i.e., on 12th January with great joy, and enthusiasm every year in AIET.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.9%20Additional%20Information.pdf
Any other relevant information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.9%20Additional%20Information.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

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

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

The Avanthi Institute of Engineering and Technology inculcates tolerance, communal harmony, and inclusivity among the students and staff by celebrating the following National and International commemorative days, events, and festivals. Avanthi Institute of Engineering and Technology is a dynamic and nation-building academic institution. Great efforts are involved in celebrating

national and international days, events, and festivals throughout the year. Every culture, nation, and tradition has developed its own unique ways of honoring special occasions. Their customs and traditions are a direct product of their cultural background, history, religious beliefs, and even the geography of the region they live in. As eclectic as these practices are, if we take a closer look, we will see that there is a common thread of themes that connects each and every one of them.institution celebrates/ organizes the birth and death anniversaries of national heroes and also celebrates events of national importance like Independence Day, Republic Day, and Constitution Day, to maintain communal harmony among all the students and staff

The Institue celebrates the following commemorative days,

- **Teachers Day**
- **Engineers Day**
- **Gandhi Jayanthi**
- **National Unity Day**
- **International Human Rights Day**
- **National Mathematics Day**
- **Republic Day**
- **Science Day**
- **International Wommens Day**
- **World Health Day**

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

7.2 - Best Practices

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

BEST PRACTICE I TITLE: Career Advisory and Augmentation Service (CAAS)

Avanthi Institute of Engineering and Technology has a dedicated "Career Guidance, Training & Placement Cell" which was initiated

in the year 2018 and is being upgraded every year as per the technological advances and industry requirements. The main objective of the cell is to groom the students to excel in the competitive world and enhance their overall technical skills and maintain a good placement record. This cell continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately attaining desired employment. This is accomplished through building a strong partnership amongst students, alumni, faculty members, and industries.

BEST PRACTICE 2

Title: Promoting social responsibility among Students

Objective : Promoting Social Responsibility among the students of Avanthi Institute of Engineering and Technology.

1. Foster Awareness: Educate students about societal issues to increase their understanding of social responsibility.
2. Encourage Critical Thinking: Engage students in discussions and debates to develop analytical skills and broaden their perspectives on social issues.
3. Promote Civic Engagement: Provide opportunities for community service and voluntary work to instill a sense of responsibility and active engagement.
4. Cultivate Empathy and Compassion: Create an inclusive environment that fosters understanding, empathy, and a willingness to help others.
5. Foster Collaboration and Teamwork: Promote collaboration on social initiatives to develop teamwork and leadership skills among the students.
6. Sustain a Culture of Social Responsibility: Integrate social responsibility principles into the curriculum and institutional policies to promote a long-standing culture that prioritizes social responsibility.

File Description	Documents
Best practices in the Institutional website	https://aietta.ac.in/iqac/Best_Practices/Best%20Practice_2021-2022_1.pdf
Any other relevant information	https://aietta.ac.in/iqac/Best_Practices/Best%20Practice_2021-2022_2.pdf

23-06-2023 02:14:23

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Institutional Distinctiveness In addition to preparing the students with core competencies to face the challenges globally, the Institute continuously strives in making the students understand and contribute to the socio-economic development and welfare of society. The Institute adopts the Supply-Service-Society motto to fulfill its role of social responsibility and inspires the students to follow the same in their lives. Supply: The Institute AIET prepares skillful & Technical students and supplies the same to cater to the requirements globally.

Service: Values keep the students motivated to work towards the goal in society. It allows the students to give someone else a helping hand when they are in need. It helps by building up others that are in need. The institute AIET students and staff will always keep up their values to motivate the work and the needs of society. As a part of that, the institute with the support of the Government of India by the name of UBA the students of the NSS voluntary team visit the allotted neighborhood villages and extend their service as a part of transforming India.

Society: Ethical values are the foremost interest of the institute, the students, staff, and management are continuously serving the locally adopted villages to face the social crisis during natural devastations. The institute came forward as an act of kindness to help needy people during the social crisis. .

Part B
CURRICULAR ASPECTS
1.1 - Curricular Planning and Implementation
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The Institute ensures effective curriculum delivery through a well-planned and documented process. The Institute considers effective delivery of the curriculum as the most vital curricular aspect, further, it follows the curriculum prescribed by the JNTUK University through its Board of Studies. Few faculty members have worked on the Board of Studies and their sub-committees, substantially contributing to the curriculum development. The institute ensures effective curriculum delivery through systematic and strategic transparent mechanisms with the below operating procedures:

- Teaching faculty is given the freedom to select subjects of their expertise, in turn, endorsed by heads of the respective departments in a transparent workload distribution mechanism.

The syllabus, lesson plan, lecture notes, and additional studymaterial are prepared as per the curriculum and made available to students before the start of every semester.

- The academic committee oversees all the academic activities viz., preparation of effective timetables, syllabus completion, and conduction of practical sessions in Labs, Assessment tests, Project and Seminar reviews, and any other issues of academic.
- The Time Tables are displayed on the Notice Board and also uploaded on the institute website.
- Student evaluation is done in line with the university norms through Mid Exams [Online & Offline], Lab Internal and External Exams, Assignments, Tutorials, etc.,
- The course structure and contents of a course are oriented carefully to meet Program Outcomes and Program Educational Objectives.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.1.1%20Additional%20Information.pdf

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

Being Affiliated with Jawaharlal Nehru Technological University-Kakinada, the Institute follows a University prescribed curriculum and meticulously develops action plans for effective implementation with the same with the highest priority given to academic excellence. Faculty members are encouraged to impart the curriculum through innovative teaching methods including Powerpoint presentations, flipped classrooms, experiential learning, assignments, in-house peer discussions, workshops, seminars, industrial visits, and Elearning apart from regular/conventional chalk and talk methods. The standard operating procedures employed by the Institute to ensure effective curriculum delivery are briefed below:

1. **The academic calendar of the Institute reflects curricular, co-curricular, and extra-curricular activities planned for the semester which is based on the University calendar**
2. **The holidays considering Govt./University holidays and tentative dates for vacations are mentioned in the calendar. Any required changes/ reforms are included in the calendar for the present semester**
3. **The number of continuous assessments to be conducted is indicated in the calendar following guidelines and timeline provided by the university**
4. **Along with the internal assessments, the co-curricular and extracurricular activities are also mentioned in the calendar While preparing the calendar for the prevailing semester, compliance with previous years' academic calendars and deviations, if any, are taken as reference**
5. **The tentative academic calendar prepared by the Academic Committee Meeting & IQAC is discussedin the presence of all the Heads of Departments and AACmembers and it is finalized.**

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.1.2%20Additional%20Information.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

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

1.2 - Academic Flexibility

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

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

174

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

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

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

21

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

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

1667

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

1.3 - Curriculum Enrichment

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

Yes, the Institute's curriculum effectively integrates cross-cutting issues relevant to gender, environmental sustainability, human values, and professional ethics and leads to a strong value-based holistic development of students. Various activities are organized throughout the year as a part of the curriculum that helps in this endeavor.

Gender Sensitivity:

Gender-related courses are an integral component of various programs. Gender sensitization camps are organized to educate about women's rights, human rights, child rights, gender justice, and gender equality. Compulsory core courses along with the wide range of community outreach programs that include

health and hygiene camps, hole-in-the-wall, and village adoption, enable exposure to real-life situations. The Institute annually organizes seminars, conferences, guest lectures, exhibitions, and literary activities that help in gender sensitization.

Environment and Sustainability:

Environment awareness camps, Seminars, Workshops, Guest Lectures, Industrial visits, and Field excursions are organized. Environment Day, Earth Day, and Water Day are annually celebrated. AIET accords great importance to research in Interdisciplinaryareas focused on Renewable energy, Environmental pollution, Agriculture, Education, and Healthcare.

Professional Ethics & Human Values:

The subject "Professional Ethics & Human Values" is included as part of the curriculum. It is compulsory for all students, irrespective of any stream. Apart from this, we have initiated the Faculty to take part in the FDPs related to the Development of Professional Attributes for the OBE Curriculum & revert the information to students & Faculty for the development of these principles

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

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

182

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

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

1599

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

1.4 - Feedback System

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

File Description	Documents
URL for stakeholder feedback report	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.4.1%20Additional%20Information.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/1.4.1%20Additional%20Information.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

542

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

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

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

330

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

2.2 - Catering to Student Diversity

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

Assessment Mechanism:

The Institute constantly focuses on the learning levels of students as they hail from diverse backgrounds. One of the primary parameters of the students is the assessment of their learning levels. In the first step, the segregation of the students is done based on the results of the assignments and the first Mid examination. The slow learners are identified from the result analysis of Mid-I and remedial classes are conducted for them till Mid-II exams. The students are provided with preliminary resolutions, the institute has taken the initiative to upgrade the teaching and learning process to the next level by the implementation of a Teacher's diary.We will assess the student with the following steps.

Step 1: The same assessment is done before & after the Mid Internal examinations to identify the students for slow learner / fast learner programs. Step 2: An action plan for slow learners and fast learners is implemented such as remedial /GATE/CRT classes.

Step 3: Conduction Backlog Classes for students to boost up the student's benefits whofail university End Exams.

Slow learners:

In the remedial classes, faculty will concentrate on some important concepts and the previous year's end-semesterexam question papers to ensure that students get the maximum practice of the topics covered. This helps around the 12-17% backlog of students to clear the subjects with confidence.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.2.1%20Additional%20Information.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
2153	149

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Avanthi Institute of Engineering & Technology adopts a student-centric approach to make Teaching Learning process more effective for the holistic development of students through experiential learning, participative learning, and problem-solving methodologies. The overall improvement in student profiles can be obtained by providing opportunities to participate in various hands-on activities apart from the prescribed curriculum.

1. Experiential learning:

Industrial visits: More than 60% of the students frequently visit various industries, factories, power plants, PSUs, and large construction sites to get practical exposure to the functioning of Industrial equipment, contemporary technologies, and standard procedures of professional organizations.

Field works/ Internships: The main objective of Field works or Internships is to improve career advancement opportunities and offer real-time work experience while undergoing graduation in a particular field/discipline of Engineering.

Socially relevant projects/Case studies:Students are encouraged

to perform societal case studies, carry outreal-time surveys to identify socio-economic issues to be addressed and create awareness in the neighboring community and solve issues through socially relevant projects.

2. Participative Learning:

Expert Talks, Workshops, and seminars: Students are encouraged to involve in workshops, expert talks and seminars, and awareness programs organized by the institute in association with various professional bodies inviting esteemed experts of various industries.

3. Problem-Solving Methodologies: Projects: All the students work on projects for a period of six months in several phases that include a literature survey, problem identification, methodology, result analysis & conclusion to solve real-time societal problems with the use of technical knowledge, Engineering skills, and simulation tools.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.3.1%20Additional%20Information.pdf

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

Information and Communications Technology (ICT) has made considerable progress to become an integral part of the modern-day education system. Dadi Institute of Engineering and Technology uses ICT-orientedcurriculum development with over 60% of the ICT-enabled lecture halls, laboratories, E-Class rooms, seminar halls, etc., as a part of the State-of-the-art infrastructure in the institute.

List of ICT tools

- Projectors
- Computer & Laptops
- Headsets
- Printers

- Scanner
- Photo Copier Machines
- Online Classes through Zoom, Google Classroom and Google Meet
- ECAP (Engineering College Automation Package)
- CD/ DVD
- ICT Usage by Faculty
- YouTube Sharing
- Video lectures.
- PowerPoint Presentation
- Online Workshops
- Online Quiz
- Online awareness sessions
- Webinars
- Online Contests

Education around the world is transforming with significant changes in methods and methodologies of teaching and learning with the ICT-enabled learning environment. The conventional learning methods such as chalk and talk, dissemination of facts, practices, rules, and procedures were adopted in earlier days, whereas learning through problem identification, inquisition and design of solutions, innovative methods, creativity and diversity in thinking is apt for the recent times. The transition is happening from teacher-centriclearning to student-centric learning using the virtual learning environment by integrating ICT.

Tools for learning:

Various licensed and open-source software tools in the laboratories (MATLAB, ECAD, PSPICE, AUTOCAD, etc.) are provided to students for the model, simulation, and evaluate various scenarios.

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

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

2.3.3.1 - Number of mentors

149

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

2.4 - Teacher Profile and Quality

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

149

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

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

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

18

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

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

2.4.3.1 - Total experience of full-time teachers

723

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

2.5 - Evaluation Process and Reforms

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

Mechanism of Internal Assessment: The Institution has an examination Cell to conduct various Internal and External examinations both in theory and practical mode of evaluation. At the beginning of the semester, it collects three sets of question papers for all MID examinations out of which one set will be selected to conduct the MID Examination. The examination system adopted at Avanthi Institute of Engineering and Techn is very significant and grievancesology never crossed 0.001% from any stakeholders. However, if any grievances arouse, within 72 hours the cell will rectify the problem transparently. Mobile phones and study materials are strictly prohibited to carry into examination halls either by students or invigilators. The dignity and decorum of the invigilator are most vulnerable in the examination hall . The invigilator is expected to be vigilant and take frequent rounds in the exam hall. Mostly, the Teaching staff is drafted as invigilators. Subject teachers should not be posted as invigilators in the examination halls.

After entering into the examination Hall, invigilators are instructed to check the prerequisites like seating arrangement, dress code, and ID card of the students, if any ambiguity arises, the invigilators must report to the chief superintendent for an immediate solution. The subject teacher is expected to collect the MID answer scripts from the examination cell on the day of the exam itself. The subject teacher needs to submit duly evaluated answer scripts to the

examination cell within 48 hours after completing verification done by the students and to assess the outcome-based education etc.

File Description	Documents
Any additional information	[View File]()
Link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.5.1%20Additional%20Information.PDF

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

The institute has a well-structured and dynamic Internal Examination Grievance Cell, linking students with the faculty in the continuous evaluation process. The cell follows the guidelines of the affiliated university for conducting internal examinations and redressing grievances.

- **Internal examination for every semester is conducted as per the timetable given by the university.**
- **Proper seating arrangement for each class is made with an internal jumbling mechanism**
- **All the necessary steps are taken to avoid malpractices in the examination hall.**
- **Monitor the internal examination process.**
- **To solve the student's grievances related to the internal examination.**
- **To solve the teacher's grievances related to the internal examination.**

Procedure for grievance Redressal

- **Students have to approach their respective examination coordinators.**
- **An application duly stating the grievances to the exam section is to be forwarded through the concerned HoD.**
- **Having gone through the application, the exam section will forward it to the Principal.**
- **The Principal in consultation with the concerned faculty will examine it in detail and make a remark on the application before sending it back to the examination department.**
- **After taking the necessary steps, the grievance will be**

resolved with the panel of committees constituted by the institute in a completely transparent manner within 72 hours.

File Description	Documents
Any additional information	[View File](View%20File)
Link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.5.2%20Additional%20Information.PDF

2.6 - Student Performance and Learning Outcomes

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

Programme outcomes are taken as prescribed by the National Board of Accreditation (NBA). In addition, by considering the requirements given by the lead society, every programme has formulated 2 outcomes that are specific to the programme viz., programme-specific outcomes (PSOs). The statements of POs and PSOs are well disseminated to all stakeholders through appropriate channels. Concerning Course Outcomes, for the curriculum given by the university, the syllabus of every course is given with 4 to 6-course outcomes. However, they are rephrased in line with Revised Bloom's Taxonomy (RBT) and are made 6 in number for all the courses. This exercise is done whenever a new curriculum comes into implementation for the first time.

Sufficient care has been taken by the institute while formulating the autonomous curriculum and syllabi. The institute has a standard operating procedure (SOP) for the formulation of course outcomes. All the faculty members are educated and empowered to do this exercise. The course outcomes are formulated and 2D mapping of it is done against the POs addressed and the Depth of Knowledge covered.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2020-2021/2.6.1%20Additional%20Information.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Yes, Each course has a predefined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs.

CO Attainment Assessment methods include direct and indirect methods. The process of course outcome assessment by the direct method is based on mid-examinations, semester-end examinations, and quizzes. Each question in mid/semester end/assignment/quiz is tagged to the corresponding CO.

1. Mid Examinations are conducted twice a semester and each of them covers the evaluation of all the relevant COs attainment.
2. Semester End Examination is descriptive, and a metric for assessing whether all the COs are attained. Mid Examinations: 60% of the marks obtained Assignments: 60% of the marks obtained Sem end Exams: 40% Marks

Rubrics:

Rubrics for Semester end exams:

End exam performance: >= 80% - Grade 3 End exam performance: 60% to79% - Grade 2 End exam performance: Less than 50% -Grade 1

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.6.2%20Additional%20Information.pdf

2.6.3 - Pass percentage of Students during the year

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

460

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/2.6.3%20Additional%20Information.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://aietta.ac.in/iqac/Students-Satisfaction-Survey%20(2021-2022).pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

11.91

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

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

3.1.2.1 - Number of teachers recognized as research guides

01

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

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

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

6

File Description	Documents
List of research projects and funding details (Data Template)	[View File](#)
Any additional information	[View File](#)
Supporting document from Funding Agency	[View File](#)
Paste link to funding agency website	https://rrenggservices.com/ https://rrenggse, vices.com/, https://www.iflyacademy.com/, https://www.grafx-itsolutions.com/, https://teckteamsolutions.com/index.php, https://aietta.ac.in/

3.2 - Innovation Ecosystem

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

Avanthi Institute of Engineering and Technology has a vibrant R&D Cell, an apex body to guide the AIET research community and innovation for the creation and transfer of knowledge among students and staff.

AIET is having a separate Research and Development Cell. The cell comprises faculty members from each department of the institute. A senior professor having handsome experience and expertise in the versatile research field. R&D cell in the capacity of Coordinator(R&D), with the principal presiding over. The committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth.

The research purposes of the AIET R&D cell are to foresee future problems through the pursuit of truth as a "global center of excellence for intellectual creativity", to respond to current social demands, and to contribute to the creation and development of scientific technologies with the aim of realizing an affluent society and natural environment for humanity. At the same time, AIET aims to create excellent educational resources and an excellent educational environment through frontline research.

To achieve the above-mentioned purposes, the following objectives are set:

- **Aim to globalize research and education**
- **Provide suggestions for the future of humanity and the earth, based on high-level academic foundations and vision**
- **Conduct researches that contribute to the development of human resources who can play a leading and core role in society and researchers who can conduct cutting-edge research**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/3.2.1%20Additional%20Information.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

11

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

05

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	[View File](#)

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

18

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

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

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

4

File Description	Documents
Any additional information	[View File](#)
List books and chapters edited volumes/ books published (Data Template)	[View File](#)

3.4 - Extension Activities

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

The college has tried its best for a noteworthy contribution to the society and environment by making a participation to

promote college-neighborhood-community. It has given more stress on the service-oriented activities making more engagements of the students for holistic development to f the students contributing to good citizenship. The NSS group has taken so many initiatives involving the teaching and non-teaching staff of the college to their best.

we have adopted 5 villages nearby and trying to solve their problems related to uncleanliness, unhygienic, Go Green, Mobile awareness, awareness regarding the use of polythene, AIDs awareness programs, etc. We have organized several medical camps like Dental check-ups, and regular health check-ups in the rural areas as well as on the college campus. Blood donation camps in collaboration with the Rotary Cluband Red Cross Society of India were organized many times.

We have organized the Following Programs.

- Environment Day
- Awareness program on Child Labour in Chippada Village
- Yoga Day
- Vanam and Manamu
- Blood Donation Camp
- Awareness of Gender Equity
- Nutrition Day
- Engineers Day
- Vaccination Drive
- Cleanliness Drive in adopted Village Chippada
- Womens Right Program
- Swatha Bharath Program
- Beti Bachavo Beti Padhao Ralyy at Thagarapuvalasa

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/3.4.1%20Additional%20Information.pdf
Upload any additional information	View File

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

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

7

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

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

18

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

646

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

21

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

13

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution ensures adequate availability and optimal utilization of physical infrastructure as it is critically linked to the vision of the Institute. At the beginning of the academic year need-assessment for replacement, up-gradation, addition to the existing infrastructure is carried out based on the suggestions from ACM (Academic Committee Meeting) members, Heads of the departments, lab technicians and system administrator by considering the parameters like course requirements, computer-student ratio, budget allocations, working condition of the existing equipment and also suggestions from students. The Academic committee plans ahead for all requirements regarding classrooms, laboratories, furniture and other equipment for ensuring smooth and effective teaching learning practices.

1. Optimal deployment of infrastructure is ensured by conducting workshops, awareness programs and training programs for faculty on the use of new technology.
2. Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians, system administrators.
3. The available physical infrastructure is optimally utilized even beyond regular institute hours, to conduct certificate courses, co-curricular activities, extra - curricular activities, parent teacher meetings, Campus Recruitment Training (CRT) sessions, campus recruitments, meetings, seminars, conferences etc.
4. The Infrastructure of the institute is being used to conduct various examinations and entrance tests of State Government and National importance without disturbing the regular curricular and research activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.1.1%20Additional%20Information.pdf

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

The institution gives adequate importance to Sports and games. AIET has three large playgrounds with provision for multiple outdoor games, such as Cricket, Football, Volleyball, Basketball, Kabaddi, Throw Ball, Kho-Kho, etc. Indoor games are also available such as Table tennis, Carroms, and chess. The institution hosts inter University zonal tournaments on campus. The gymnasium is available at the Department of physical education. A 200-capacity auditorium is provided for Yoga. International Yoga Day is celebrated every year. All facilities are provided with well-equipped assembly halls for organizing annual functions and cultural events.

The college provides a number of facilities for supporting extracurricular activities related to culture, creativity, arts, and recreation. An Indoor auditorium was constructed for cultural activities with a built-up area of 1858 sq.m which can house 3000 members and an open auditorium to accommodate more than 2000 for organizing various events. The college encourages students to participate in various college-level, state-level, and national-level competitions by providing financial support. Five grand cultural events were conducted every year. A spacious Air-conditioned Hall with audio-visual facilities is available to cater to the needs of the students to involve in various cultural activities. The hall is also used to screen selected inspirational and motivational movies.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.1.2%202021-2022.pdf

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

44

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.1.1%20Additional%20Information.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

11423820

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

4.2 - Library as a Learning Resource

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

The library is automated with Software for University Library (SOUL) (2.0 Version) software for easytransaction and circulation of books through Bar-coded ID cards. The library has 20 computers for students to access with a speed of 50Mbps internet facility, a printer, and 2 Xerox machines. Users can access the online information about the availability of books. Online Public Access Catalog (OPAC) is a library catalog accessed via a computer terminal for the benefit of library users. The basic purpose of the OPAC is to create a database of library holdings that provides an online catalog to help users in identifying and searching resources. Users can search for a document, confirm its availability, reserve the book, and even

issue/return the material, etc. At any point in time, the electronic catalog is at the front line of service technology. With the growth of computer networks, users are able to access the library OPACs. Resources can be accessed through Wi-Fi on campus. Articles can be downloaded by the users from the e-journals by using their user id and password allotted by the institution.

Digital Library: The institution has a digital library with 20 computers in the central library and is accessed from any department through campus LAN. It has a reasonably good collection of e-journals like IEEE, ELSEVIER, DELNET, J Gate, and N-List e-books. NPTEL videos, e-books, GATE papers, old question papers, and e-journal articles are available in the digital library for easy access.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/4.2.1%20(2021-2022).pdf

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

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

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

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

518993

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

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

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

694

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

4.3 - IT Infrastructure

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

In this electronic communication era, internet communication plays a vital role in the teaching-learning process. To fulfill the norms of AICTE and the University, the institute has a very strong IT infrastructure. Institute aims at providing futuristic facilities to its students so that they can utilize these resources to reach greater heights. To enable this, the institution frequently updates its IT facilities to provide the best facilities. Our classrooms are equipped with LCD projectors and supported by audio-visual systems. The entire campus is monitored by CCTV cameras installed at strategic places.

- IT Policy is being documented for fair and transparent academic purposes for the use of various IT resources on the campus for students, Faculty, Staff, Management, visiting guests, and research fellowship members.
- Due to the policy initiative and academic drivers, IT resource utilization on the campus has grown by leaps and bounds during the last decade.
- AIET has a network connection to every computer system

covering every building across the campus.
- The Centre for Technical Support is the department that has been given the responsibility of maintaining the institute's internet and intranet service.
- The Centre for Technical Support is running the firewall security, DHCP, DNS, email, web, and application servers and manages the network of the institute.
- AIET is getting its internet bandwidth from Orange Fiber. Total bandwidth availability from the
- Orange Fiber source is 1TBPs (Leased line 1:1).

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

4.3.2 - Number of Computers

630

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

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

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

4.4 - Maintenance of Campus Infrastructure

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

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

60993210

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

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

Maintenance of physical and academic facilities: There are established systems and procedures for maintaining and utilizing physical, academic, and support facilities like laboratories, libraries, computer labs, classrooms, etc. Our institute has a very effective internal coordination and monitoring mechanism. The principal monitors various curricular and co-curricular activities with the help of conveners and members of the committees. The principal carries out administrative activities. Along with this, IQAC is functioning actively and effectively for quality sustenance and enhancement. Procedures for maintaining and utilizing physical and academic support facilities are as follows.

Sports: For maintaining and utilizing sports facilities, Institute has an efficient Physical director. He looks after all essential sports activities as per the schedule of JNTUK University regarding the sports competitions, Physical director brings to the notice of all students for their entries to participate in various events.

Laboratories: For maintenance and up gradation of computers and other lab equipment institute takes help from system administrators and technical staff. The maintenance is done as per the requirement of the institute. Institute checks the maintenance of computers, CCTV system, and other lab equipment with the members of CAC and with external dealers. Stock verification of departments is done on a regular basis. Faculty and staff members are involved in stock verification processes.

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 benefited by scholarships and free ships provided by the Government during the year

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

1408

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

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

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

251

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/5.1.3%20Additional%20Information.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1945

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

1945

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

280

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

9

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

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

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

22

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

5.3 - Student Participation and Activities

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

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

6

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

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

Students constitute a major stakeholder in institutional growth. Utilization of the support and ideas of the students is the most important requirement for the prosperity and well-being of the institute. AIET always strives to build a relationship of mutual respect and inculcate a sense of pride among the students for their own institute. Students take active participation by representing themselves in various academic, administrative bodies, co-curricular and extracurricular committees of the institute. Students organize and celebrate various academic, sports, and cultural events.

The active participation of the students in the above cited activities enhances their communication skills, management skills, leadership skills, teamwork, time management, delegation of work, and resource management ability and boosts their confidence levels. The following are the academic, co-curricular, and extracurricular committees where student representation exists.

Various Students' Forums / Clubs / Cells listed below function on the campus to take up different events and activities for students:

- **NSS**
- **Alumni Committee**
- **Women's Club**
- **Anti Ragging Committee**
- **Grievances and Redressal Committee**
- **R&D Committee**
- **Web Committee**

- **Sports and Games**
- **Training and Placement**
- **Canteen**
- **Transport**

The students conduct seminars, career guidance, and quality improvement programs throughout the year by inviting resource experts from industries and other institutions. Industrial visits to various industries are also arranged by the students as a part of their curricular activities. Various student chapters of professional bodies.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/5.3.2%20Additional%20Information_compressed.pdf
Upload any additional information	View File

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

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

41

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

5.4 - Alumni Engagement

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

The major objective of the Alumni Association is to maintain and enhance the relationship between the Institution and Alumni. The feedback of the Alumni is important in shaping the co-curricular and placement activities of the institute thereby helping in the overall development of the institute.

At present the Institutional Alumni Association is engaging the Alumni to conduct guest lectures, technical talks, and interaction with juniors. This is achieved through the Alumni cell and the Training and Placement cell. The interaction and experience provide a clear picture to the junior students the real-time Industries exploration. The Alumni further guide the juniors to perpetrate competitive exams and higher education in Indian and Foreign Universities. A majority of the Alumni are in contact with the students, Faculty, and Administration through online Professional platforms like WhatsApp, Facebook, and LinkedIn. Their advice/ suggestions/ opinions are useful in shaping the co-circular and placement activities. Some of the activities carried out by the Alumni include:

1. A few of our Alumni are entrepreneurs and they help the juniors in placement/ Entrepreneurship activities.
2. Some of our Alumni are in leadership positions in top MNCs of the country like TCS, Infosys,Wipro etc. They guide the junior students for placement training/interviews.

The Institute plans to conduct one Alumni meeting every year to ensure the wider participation of Alumni in different activities of the college for the benefit of students.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/5.4.1%20Additional%20Information.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	D. 1 Lakhs - 3Lakhs

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 and in tune with the vision and mission of the institution

```
Vision:

To develop highly skilled professionals with ethics and human
values.

Mission:

  1.  To impart quality education with industrial exposure and
      professional training.
  2.  To produce competent and highly knowledgeable engineers
      with positive approach.
  3.  To self-confidence among students which is an imperative
      pre requisite to face the challenges of life.

To realize the vision and mission, the institute adopts a
system-driven and participatory mode of governance with all
stakeholders (students, staff, management, parents, alumni,
employer, and societal representatives) participating actively
in its administration at different levels with accountability.

The Apex body - The governing body

  •  College Advisory Committee
  •  College Academic Committee
  •  Examination Committee
  •  Finance Committee
  •  Academic Committee
  •  Department Advisory Committee
  •  Research Committee
  •  CarrierGuidance, Placement, and Training Cell
  •  IQAC
  •  Other Functional Committees

Quality Policy:
```

Avanthi Institute of Engineering and Technology, emphasizes the ethical ideals to innovate advanced training by creating the best possible infrastructure through an engaging, activity-oriented teaching. It also uses the most updated information and communication technology to enhance an engineering approach among the students, aiming for an effective and ambitious administration which is responsive in all the aspects.

Published and displayed the Vision and Mission of the institute at the following locations:

1. Institute's website
2. Principal Chamber
3. HOD Chamber
4. Notice Boards
5. College Library
6. Academic Regulations & Curriculum Book
7. Class Rooms/Labs
8. Corridors

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.1.1%20Additional%20Information.pdf
Upload any additional information	View File

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

Institutional Practices for effective leadership: In order to attain the institutional short-term and long-term goals, the institute practices effective leadership in a transparent manner.

Short-term Goals

1. To strengthen the Centre of Excellence (COE) in Engineering and Technology and to set up more incubation Centers and Startups.
2. To strengthen Institute/Industry/Alumni interaction to enable better placements and get an increased number of internships.
3. To get recognition as a Research Centre by affiliating

university.
4. Participate in AICTE Margdarshan to upgrade the level of other institutions.
5. Faculty/Student Exchange

The practices of decentralization and participative management are as follows:

- Chairman, Governing Body
- Director
- Principal, Vice-Principal
- CampusDevelopment), Academics, Carrier Guidance, Training & Placement, Examinations, Institutional Coordinators of IQAC, R&D
- HoDs
- AICTE recommended statutory essential and desirable committees like Grievance, Anti-Ragging,
- ICC (Internal Complaint Committee)
- Functional committee coordinators, student bodies, alumni, parents, employers, and other stakeholders

The Functional committees namely:

- Governing Body
- Academic Planning and Advisory Committee
- Institute Academic Committee
- R&D (Research and Development) Committee
- IQAC (Internal Quality Assurance Cell) Committee
- Training and Placement committee
- Academic Review Committee
- Food and Canteen Committee
- Examinations and Evaluation Committee
- Grievances and redressal Committee
- Internal Complaints Committee
- Library Committee
- National Social Services Committee
- Literary and Cultural Committee
- Anti-Ragging Committee
- Games and Sports Committee
- Admissions Committee
- Scholarships/ Student Welfare Committee
- Women Empowerment Committee

The functioning of the above-said committees is at the Institute level. They conduct monthly, quarterly, and yearly meetings to discuss regular issues, and the problems, if any

are found are resolved immediately

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.1.2%20Additional%20Information.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development:

- **Curriculum enrichment through Add on Courses and Certificate Courses**
- **Adopted Elective Courses as prescribed by Affiliating University JNTU Kakinada**
- **Open Electives across the programs to enhance the professional competency of the students**
- **Collection of feedback on curriculum from stakeholders**

Teaching and Learning:

- **Extensive use of ICT in teaching and learning beyond classrooms**
- **Involving experts from industry, research, and academic institutions**
- **Focus on experiential learning and participatory learning**
- **Student Seminars, Assignments, Projects, and Fieldwork are part of the curriculum**
- **Remedial and backlog classes are being conducted for slow and backlog students respectively**
- **The advanced learners take partnerships in innovative projects**

Examination and Evaluation:

- **As the institute is affiliated with JNTU Kakinada, we are following policies and reforms which are made by the university from time to time**
- **As part of the internal assessment course instructors**

- **conduct two assignments on the topics related to First MIDand Second MID**
- **Online Quiz examinations are being conducted as directed by Affiliating University**
- **Practical/laboratory internal assessment is being made based on the day-to-day performance, record, and internal examination followed by viva**
- **To evaluate UG/PG Projects, the institute's PRC (Project Review Committee) conducts three internal reviews and external viva-voce as per the directions of Affiliating University**
- **Videography and Double valuation in the internal examination for all PG Courses**
- **A grievance cell for examination-related grievances is in operation**

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.2.1%20Additional%20Information.pdf
Upload any additional information	[View File](#)

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

Administration: The institute has a structural administrative setup to implement various policies. The institutional bodies (functional committees) also function as a part of the administration.

Principal: The principal shall be the Head of the Institution. He shall be the immediate superior to all the members of the staff working in the Institution. He shall be assisted by Vice Principal and other non-teaching staff in discharging his duties and responsibilities. The Principal shall be in communication, wherever necessary, with the Heads of the Departments and parents/guardians of the students. There shall be a Principal's office consisting of an Administrative officer, other admin, and non-teaching staff. The office shall maintain the admission registers, scholarship accounts, casual leave, compensatory leave, etc., of the teaching, admin,

technical, and non-teaching staff of the Institution and other such records necessary for effective administration.

Vice Principal will be looking after the implementation of academic and administrative issues as per the the direction of the Principal.

Head of the Department The Head of the Department is appointed by the Principal of the Institution. Generally, the senior faculty from the concerned department shall be nominated on a rotation basis as the Head of the Department for a specific period. The principal will consider appointing a Professor to be the Head of every Department.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.2.2%20Additional%20Information.pdf
Link to Organogram of the institution webpage	https://aietta.ac.in/about.php
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

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

6.3 - Faculty Empowerment Strategies

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

The institution has adopted prospective welfare schemes for teaching and non-teaching staff. The following are the welfare measures:

1. Group Insurance
2. Leaves
3. EPF
4. Sponsorship for Higher Studies – Ph.D. Full Time / Part Time, PDF
5. Sponsorship to attend Seminar / Paper Presentation / Conferences
6. Free Trasport
7. Medical Leaves
8. Sponsorship to attend Quality Improvement and Faculty Development Programme
9. Revenue sharing with faculty in Consultancy / Testing
10. Cash incentive for Paper Publications, R&D work
11. Cash incentive for membership in Professional Bodies
12. Best Faculty award
13. CCL
14. Duty Leaves
15. Study Leaves

Non-Teaching Staff:

1. Group Insurance
2. Leaves
3. EPF
4. Free Uniform and Shoes
5. ESI
6. Free Transport
7. One month's salary is offered to the non-teaching (Administration and Supporting) staff as a fringe benefit at the time of his/her marriage.
8. All supporting staff who are having five and above years of service are offered Rs.5,000 as financial support at the time of this/her child's marriage (One-time only).

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.3.1%20Additional%20Information.pdf
Upload any additional information	View File

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

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

106

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

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

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

14

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

114

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

The institution regularly maintains a self-appraisal system for both teaching and non-teaching staff. The teaching staff members are eligible for rewards and welfare activities based on their performance, contribution, and years of service at the institution.semester-wise as well as year-wise. Semester-wise, awards, and rewards are considered according to the results in theory papers, and also Best Teacher award will be presented to one faculty every year based on the selection of received applications as stipulated from time to time. Silver medals and cash awards are also presented to the best performers.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.3.5%20Additional%20Information.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism

for settling audit objections within a maximum of 200 words

The institute has an effective mechanism for auditing the accounts. It conducts internal and external financial audits regularly with transparency. The observation made during these audits is considered with utmost responsibility and action is taken to rectify immediately.

Need for Financial Auditing:

- Monitoring the effectiveness of internal controls and proposing improvements
- Evaluating risk management policies and procedures
- Examining the effectiveness, efficiency, and economy of operations and processes

Internal Audit:

The internal auditor examines records of the transactions, ensures compliance with the management system procedures, and tests the effectiveness and implementation of internal controls. They evaluate the internal controls and make recommendations for improvement.

External Audit:

YS REDDY & Co, Chartered Accountants have been our StatutoryAuditors and will complete the process of statutory audit regularly as per Government rules and assure the institution of various compliances.

Audit Procedure Includes:

Disbursements are supported by appropriate source documents Periodic/timely reconciliations are performed of the department's statement of condition, trust Accuracy of amounts, and receipt of income from investments

External Auditor reported that the financial statements give true transparency in conformity with the accounting principles on the Balance Sheet and Income & Expenditure Account.

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.4.1%20Additional%20Information.pdf
Upload any additional information	View File

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

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

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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

The institute has an effective mechanism for auditing the accounts. The accounts of the institute are audited by chartered accountants regularly as per Government rules. When there are additional expenses over and above the budget proposals, a specialsanction is to be taken from the management. The Accounting and Audit Committee looks after the Internal Audit and it is presented to the certified Chartered Accountant. External and Internal Financial Audits have been done for the financial year 2021-2022.

The Governing body of the institute has well-formulated strategies for financial and infrastructural policy. The management of AIET ensures effective, optimal, and efficient use of financial resources. Sources of Funds:

- Tuition Fee
- JNTU Registration & Infrastructure Fee

- **Affiliation Fee**
- **Bus Fee**
- **Admission Fee**
- **R & D Consultancy Projects**
- **Examination Receipts**
- **Funds from AICTE**

The major source of revenue for the institute is the Annual tuition fee collected from students.

Utilization of Funds:

The budget of the Institute is prepared every year by the Institute for proper distribution of the funds and their utilization. The college budget is allocated based on the needs. All the departments are requested to submit an estimate of requirements for their respective department which is discussed under various heads of their department. Budget approvals will be communicated to the departments and sections. The requests are consolidated and reviewed by the Administration team and funds are allotted. The utilization of allocated funds is monitored periodically and reviewed at the end of the Financial Year.

File Description	Documents
Paste link for additional information	http://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.4.3%20Additional%20Information.PDF
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

IQAC has institutionalized the practices as a result of IQAC initiatives. Some of the achievements of the Institution are:

1. **Institute Innovation Council**
2. **Teaching Learning Process- Outcome-Based Education**
3. **Feedback System**
4. **Research and Consultancy projects**
5. **Training and Placements**

1. Institute Innovation Council:

AvanthiInstitute of Engineering & Technology is registered as a member of the Institution's Innovation Council (IIC) of the Ministry of Education (MoE) in collaboration with AICTE to systematically foster the culture of innovation and start-up ecosystem in the Institute. The primary role is to engage a large number of faculty, students, and staff in various innovation and entrepreneurship-related activities.IQAC has been guiding IIC (Institution's Innovation Council) to participate in the MoE Rankings.

2. Teaching Learning process – Outcome-Based Education

IQAC has been insisting all the departments implement innovative teaching methodologies like Participatory Learning, Experiential Learning, Flipped/Blended Learning, and Project-based Learning. IQAC has been guiding faculty to impart and implement outcome-based Education. IQAC instructs all the faculty members to prepare the Course Outcomes for each course and to carry out the CO-PO attainment process of their respective courses after the release of the End Examination results by the university. IQAC reviews the CO-PO attainment analysis and advises the faculty members to set new targets for the attainment of their respective courses in the next academic year.

Thus, IQAC has been continuously contributing to institutionalizing the above quality assurance strategies and processes.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.5.1%20Additional%20Information.PDF
Upload any additional information	View File

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

Avanthi Institute of Engineering and Technology has been implementing a strong teaching-learning process. The IQAC

continuously reviews and takes steps to improve the quality of the teaching-learning process.

The following are examples of institutional reviews and implementation of teaching-learning reforms facilitated by IQAC.

Reviews of the Lesson plan, Lecture Notes, and other Course File related documents and implementation of teaching-learning reforms are monitored:

IQAC informs all the faculty members to prepare the Lesson plan and other Course File related documents. All these course-related documents are shared with the concerned class students. Class Teachers will regularly be in touch with students and take feedback about teaching and learning, and syllabus coverage.IQAC has been insisting all the departments implement innovative teaching methodologies like Participatory Learning, Experiential Learning, Flipped/Blended Learning, and Project-based Learning. IQAC has been guiding the faculty to implement outcome-based Education through traditional and Innovative Teaching Learning Processes Thus the teaching-learning process is reviewed during each semester by IQAC.

Reviews and implementation of teaching-learning reforms and conduction of academic audit:

Faculty members are informed to prepare Mid Marks Analysis after completion of the First Mid. Remedial classes are conducted for students whose performance is less than 70% in Mid Examinations. IQAC conducts the academic audit for all the courses of every semester. IQAC analyses the non-compliances of the courses during the academic audit process and the same is informed to the respective faculty members to make the non-compliances to comply.

File Description	Documents
Paste link for additional information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/6.5.2%20Additional%20Information.PDF
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the | B. Any 3 of the above

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

File Description	Documents
Paste web link of Annual reports of Institution	https://aietta.ac.in/iqac.php
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution ensures that several measures are taken to promote gender equity by conducting the following co and extracurricular activities. For the safety and security of women in the institute women empowerment cell is established to sensitize all the women faculty and girl students about various safety and security issues and address the grievances through the grievance redressal cell. Under this umbrella sensitization on women's protection, Women Empowerment: Hearing the unheard voices was conducted online mode during this academic year. To resolve issues (academic and personal), an exclusive committee takes care of the girl students and women staff. To create adequate privacy separate common rooms are provided for the girl students in each academic block and library. The Institute celebrates Women's -day in a grand manner and presents success stories of famous women to inspire the girl students and to make them understand their potential. Women Empowerment Committee is organizing various events including guest lectures

to empower and support young minds in achieving their goals. The institute has a policy of appreciating faculty without gender bias. Women faculty are nominated, based on their ability, as heads of the departments and conveners of various committees and discharging their duties efficiently.

File Description	Documents
Annual gender sensitization action plan	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.1%20%20Annual%20gender%20sensitization%20action%20plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.1%20Specific%20facilities%20provided%20for%20women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

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

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

AIET has designed methods for the management of waste generated in the campus using the basic waste management strategy of 3R's: Reduce, Reuse, and Recycle. 'Use and throw' items used in the college canteen are replaced by reusable items steel glasses and plates. Food waste and non-biodegradable waste are collected in separate bins. Biodegradable waste is disposed of in dumping yards especially earmarked for the purpose.

- Wastewater generated from the sanitary facilities is

- **disposed ofin septic tanks located at different places.**
- **The excess wastewater will be directed into a natural drain passing nearby the college campus. There are absorbent pits on the college campus which are especially used to absorb liquid waste released from the laboratory**
- **RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc. E-waste is disposed of through vendors. parts of computers are used for practical purposes by students of computer science and Engineering.**
- **The College office is partially paperless. Different varieties of plants**

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above

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

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

Institute has taken the following efforts /initiatives for providing an inclusive environment to enhance harmony towards cultural, regional, linguistic, communal, social economic, and other diversities. Every year the institute prepares an academic calendar to keep students, faculty, and staff reminded of key dates throughout the academic semester and year. The academic calendar shows the information related to all important days (like Abdul Kalam Anniversary, Yoga Day, Christmas Day, etc.) which are celebrated at the institute level. To incorporate multi-linguistic and cultural diversity and to promote a participative spirit in all the national and religious festivals throughout the Institution.

We celebrate Pongal, Ganesh puja, Diwali, Christmas, etc. We have organized various sessions on Indian Knowledge System and the policies implemented in NEP 2020. The aim of these celebrations is to inculcate the notion of equality among the students and to make them aware of various cultures. Our country is well known for its history. We promote the pride of our country by conducting events like Azadi ka Amrit Mahotsav, book-reading events, quizzes, poetry and literature exchanges, and other activities that promote the language.

To celebrate Women's Day, the institute organizes various sessions for women employees and students to increase awareness associated with women's rights, safety, security, and health issues. To protect the environment and preserve our ecosystem institute routinely organize activities like tree plantation, Swacch Bharat, and traffic management. These activities protect

our cultural heritage and make our students active citizens of the Swachh Bharat Mission.

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

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

Being a citizen of India, duties and responsibilities specified in the constitution of India are: respecting the National Flag and National Anthem, obeying the laws of our country, safeguarding public property, paying our taxes with honesty, protecting and preserving cultural heritage sites, improving the natural environment, maintaining the spirit of common brotherhood.

On 15th August Independence Day is celebrated with great zeal and respect at AIET by unfurling the tricolor flag, singing the National Anthem, and organizing cultural programs to express the joy of our freedom.

Republic Day is celebrated on 26th Jan by hoisting the National flag and pledging to uphold the honor and integrity of the nation. The importance of the Indian constitution is highlighted in the program by conducting cultural items such as patriotic songs, folk dances, and speeches.

January 25 is celebrated as "National Voter's Day" by organizing interactive sessions to encourage the young voters to cast their votes in the government of India elections.

AIET has introduced a compulsory paper on the Constitution of India at the UG level across all engineering\ disciplines for creating awareness and sensitization among the students and employees to constitution obligation.

National Youth Day is celebrated on the birthday of Swami Vivekananda i.e., on 12th January with great joy, and enthusiasm every year in AIET.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.9%20Additional%20Information.pdf
Any other relevant information	https://aietta.ac.in/iqac/criteriaDocs/2021-2022/7.1.9%20Additional%20Information.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**A. All of the above**

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

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

The Avanthi Institute of Engineering and Technology inculcates tolerance, communal harmony, and inclusivity among the students and staff by celebrating the following National and International commemorative days, events, and festivals. Avanthi Institute of Engineering and Technology is a dynamic and nation-building academic institution. Great efforts are

involved in celebrating national and international days, events, and festivals throughout the year. Every culture, nation, and tradition has developed its own unique ways of honoring special occasions. Their customs and traditions are a direct product of their cultural background, history, religious beliefs, and even the geography of the region they live in. As eclectic as these practices are, if we take a closer look, we will see that there is a common thread of themes that connects each and every one of them.institution celebrates/ organizes the birth and death anniversaries of national heroes and also celebrates events of national importance like Independence Day, Republic Day, and Constitution Day, to maintain communal harmony among all the students and staff

The Institue celebrates the following commemorative days,

- Teachers Day
- Engineers Day
- Gandhi Jayanthi
- National Unity Day
- International Human Rights Day
- National Mathematics Day
- Republic Day
- Science Day
- International Wommens Day
- World Health Day

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

7.2 - Best Practices

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

BEST PRACTICE I TITLE: Career Advisory and Augmentation Service (CAAS)

Avanthi Institute of Engineering and Technology has a dedicated

"Career Guidance, Training & Placement Cell" which was initiated in the year 2018 and is being upgraded every year as per the technological advances and industry requirements. The main objective of the cell is to groom the students to excel in the competitive world and enhance their overall technical skills and maintain a good placement record. This cell continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately attaining desired employment. This is accomplished through building a strong partnership amongst students, alumni, faculty members, and industries.

BEST PRACTICE 2

Title: Promoting social responsibility among Students

Objective : Promoting Social Responsibility among the students of Avanthi Institute of Engineering and Technology.

1. **Foster Awareness:** Educate students about societal issues to increase their understanding of social responsibility.
2. **Encourage Critical Thinking:** Engage students in discussions and debates to develop analytical skills and broaden their perspectives on social issues.
3. **Promote Civic Engagement:** Provide opportunities for community service and voluntary work to instill a sense of responsibility and active engagement.
4. **Cultivate Empathy and Compassion:** Create an inclusive environment that fosters understanding, empathy, and a willingness to help others.
5. **Foster Collaboration and Teamwork:** Promote collaboration on social initiatives to develop teamwork and leadership skills among the students.
6. **Sustain a Culture of Social Responsibility:** Integrate social responsibility principles into the curriculum and institutional policies to promote a long-standing culture that prioritizes social responsibility.

File Description	Documents
Best practices in the Institutional website	https://aietta.ac.in/iqac/Best_Practices/Best%20Practice_2021-2022_1.pdf
Any other relevant information	https://aietta.ac.in/iqac/Best_Practices/Best%20Practice_2021-2022_2.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Institutional Distinctiveness In addition to preparing the students with core competencies to face the challenges globally, the Institute continuously strives in making the students understand and contribute to the socio-economic development and welfare of society. The Institute adopts the Supply-Service-Society motto to fulfill its role of social responsibility and inspires the students to follow the same in their lives. Supply: The Institute AIET prepares skillful & Technical students and supplies the same to cater to the requirements globally.

Service: Values keep the students motivated to work towards the goal in society. It allows the students to give someone else a helping hand when they are in need. It helps by building up others that are in need. The institute AIET students and staff will always keep up their values to motivate the work and the needs of society. As a part of that, the institute with the support of the Government of India by the name of UBA the students of the NSS voluntary team visit the allotted neighborhood villages and extend their service as a part of transforming India.

Society: Ethical values are the foremost interest of the institute, the students, staff, and management are continuously serving the locally adopted villages to face the social crisis during natural devastations. The institute came forward as an act of kindness to help needy people during the social crisis.
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File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Future Plan:

- Research Centers will establish in the Department of CSE and Mechanical Engineering
- Applying for 2(f) and 12(B)

- ISO 45001:2018 Certification Health and Safety Management System
- ISO 14001:2015Certification EnvironmentManagement System
- ISO9001:2015Certification Quality Management System
- Autonomous Status
- Incubation Centre
- To achieve a top position in affiliated colleges of JNTUK, Kakinada
- To enhance the employability skills of students
- Increased RD Activities