Yearly Status Report - 2019-2020

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. SNV GANESH**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08922279884**
Mobile no.	**8978402146**
Registered Email	**principal@aietta.ac.in**
Alternate Email	**snvganesh@gmail.com**
Address	**Cherukupally (Village), Near Tagarapuvalasa Bridge, Bhogapuram (Mandal), Vizianagaram (Dist), Andhra Pradesh (State), India**
City/Town	**Vizianagram Dist**
State/UT	**Andhra Pradesh**

Pincode	**531162**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.Gandi Satyanarayana**
Phone no/Alternate Phone no.	**+919849202645**
Mobile no.	**9494451851**
Registered Email	**satyanarayanagandi@gmail.com**
Alternate Email	**avanthi.q7@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	[https://aietta.ac.in/iqac/AQAR%20201 8-2019.pdf](https://aietta.ac.in/iqac/AQAR%202018-2019.pdf)

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	[https://aietta.ac.in/academic_calanders /2019-20%20Academic%20Calendar.pdf](https://aietta.ac.in/academic_calanders/2019-20%20Academic%20Calendar.pdf)

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**3.00**	**2018**	**26-Sep-2018**	**26-Sep-2023**

6. Date of Establishment of IQAC	**01-Jun-2018**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Academic Feedback Second Semester (First Year B.Tech)	10-Jan-2020 5	310
Academic Feedback Even Semester (2,3,4 B.Tech Classes)	02-Dec-2019 6	1150
Academic Audit Odd Semester	30-Nov-2019 4	162
Academic Audit Even Semester	04-Sep-2019 5	145
Academic & Administrative Audit	30-Dec-2019 2	65
Guest lecture on Present research trends	29-Aug-2019 1	132
Academic External Audit	22-Feb-2020 1	160
World Quality day	17-Feb-2020 1	110
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

The Internal Quality Assurance Cell (IQAC) of the Avanthi Institute of Engineering and Technology has taken initiative in conducting seminars, Guest Lectures, and workshops and preparing the perspective plan by collecting input data from all stakeholders, their expectations, Institute management policies, goals, and objectives of the Institution. • Internal Quality Assurance Cell ensures the quality of the teaching learning process and its outcome through internal and external audits conducted at regular intervals. • Internal Quality Assurance Cell has taken efforts to improve the quality of teaching by involving students and faculty in Seminars and Workshops related to the academic environment. • IQAC strengthened ICT facilities in teaching, learning, and evaluation • Monitor and ensure the quality of student activities, departmental activities, and staff members for periodic assessment for the timely, efficient, and progressive performance of academic tasks. • Frequent Internal departmental meetings with staff members are initiated to formulate the plan of action and the implementation of action plans is reviewed in the subsequent meetings.

• Conducted Faculty Development Programmes • Conducted workshops/seminars • Research projects • Technical Training classes • Best practices (Guest lectures, industrial visits, service activities, International and National days, Extension activities etc), •Conduct CRT Classes and technical training for 3rd and 4th-year students

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

Plan of Action	Achivements/Outcomes
Review of Performance Based Appraisal System (PBAS) metrics Econtent development facilities	To meet the current requirements of HEI To make available the eContent useful to the students, particularly during the situations like COVID Lockdown.
Effective utilization of Alumni contributions (Placements/ online Lecturers/Internships/consultancy).	Improvement in Placements, Consultancy, Internships, etc with the support of enthusiastic old students of the Institute.
Promotion and Encouragement of Faculty to do new online courses like NPTEL courses	Good no of faculty and students are motivated succeeded with good performance. Many are secured Gold medals
Introduction of course coordinators for all courses and lab practical	course coordinators created for all courses and maintained all files
[View Uploaded File](#)	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	01-Jul-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	31-Dec-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	1. Admission module Academics module Examination module Attendance module: Feedback module: Human resource Management module: Certificates module: Placement module ID cards module Fee payment module Pay rolls module, Student and faculty login module 2. The IQAC formulated a quality management system for teaching and learning on campus. The process includes the scheduling of orientation courses, and bridge course, preparation of timetables with student seminars, preparation, and submission of teaching plans, filling of activity diary, the conduct of extra circular activities, guidelines of mentoring, and formation of learning teams. The IQAC also prepared a structured questionnaire for collecting feedback from students. IQAC also collected self appraisals from faculty and department appraisals periodically. The periodic reports submitted by IQAC to the top management and the review meetings conducted periodically helped the organization significantly to monitor the progress and to initiate measures for quality enhancement.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

words

Avanthi Institute of Engineering and Technology 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 are 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 study material 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 importance through the formats of STLRP [Semester Theory & Lab Readiness Programme] and STLCP [Semester Theory & Lab Completeness Programme] ? 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 institution maintains EZ and ECAP Software at the macro level to capture the comprehensive database of all the academic activities. ? The course structure and contents of a course are oriented carefully to meet Program Outcomes (POs) and Program Educational Objectives (PEOs). -- Several Memoranda of Understanding (MoUs) with local and national industries relevant to programs have been signed to make students acceptable at the local, national, and global levels. ? Also by conducting workshops, seminars, guest lectures, invited talks, and conferences periodically, students get an opportunity to interact with academic and industrial experts which helps to deliver the curriculum more effectively. ? The Institute encourages Choice Based Credit System (CBCS) through Elective subjects and self-learning certification courses through Swayam, NPTEL, Course era, Eduskills, etc. ? Internships & live projects, Value added courses to enhance communication; employability, and entrepreneurship skills are also encouraged to enrich the curriculum delivery. ? The Institute established an Entrepreneurship Development Cell (EDC) that helps in developing entrepreneurship skills among the students through their interaction with successful entrepreneurs, industrialists, and academicians through professional bodies like ISTE, IETE, CSI, ACM, IE[I], etc., ? Campus Recruitment training is also provided to students through In-house and External trainers for enhancing the technical, programming, coding, and analytical skills apart from English language and communication skill-based training offered through Cambridge BEC [Business Entrepreneur Certification] Course.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
DESSAULT	Nil	19/06/2019	180	YES	YES
SIEMENS CENTER OF EXCELLENCE	Nil	16/12/2019	7	YES	YES
SIEMENS CENTER OF	Nil	23/12/2019	7	YES	YES

EXCELLENCE					
N D T	Nil	16/12/2019	7	YES	YES
CATIA	Nil	08/07/2019	7	YES	YES
ANSYS	Nil	27/07/2019	7	YES	YES
C F D	Nil	09/12/2019	7	YES	YES
R AC	Nil	10/02/2020	7	YES	YES
ANDROID	Nil	27/07/2019	45	YES	YES
PYTHON	Nil	27/07/2019	45	YES	YES
WEB DEVELOPEMENT	Nil	10/12/2019	60	YES	YES
TALLY 9.0	Nil	15/07/2019	45	YES	YES
PLC SCADA	Nil	27/07/2019	28	YES	YES
IOT	Nil	22/09/2019	21	YES	YES
PCB	Nil	09/10/2019	21	YES	YES
MATLAB	Nil	10/12/2019	28	YES	YES
MATLAB	Nil	04/02/2020	21	YES	YES
AUTODESK REVIT	Nil	19/07/2019	21	YES	YES
Auto CAD	Nil	13/09/2019	21	YES	YES
Total Station	Nil	07/10/2019	21	YES	YES
Mentor graphics	Nil	22/07/2019	28	YES	YES
Plc/scadadcs	Nil	18/09/2019	21	YES	YES
Tanner tools	Nil	08/10/2019	21	YES	YES
Computer networking security	Nil	10/12/2019	21	YES	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	FUNDAMENTALS OF COMPUTERS	05/08/2019
BTech	UTILISATION OF ELECTRICAL ENERGY	10/06/2019
BTech	LINEAR IC APPLICATIONS	10/06/2019
BTech	SWITCH GEAR AND PROTECTION	10/06/2019
BTech	ELECTRICAL MACHINE MODELING AND ANALYSIS	10/06/2019
BTech	PROGRAMMABLE LOGIC CONTROLLERS &	10/06/2019

		APPLICATIONS	
BTech		HVDC TRANSMISSION	10/06/2019
BTech		Engineering Exploration Project	27/01/2020
BTech		Computer Aided Drawing (CAD)	27/01/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	MBA	16/08/2019
BTech	CIVIL ENGINEERING	03/08/2019
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	03/08/2019
BTech	MECHANICAL ENGINEERING	03/08/2019
BTech	ELECTRONICS AND COMMUNICATIONS ENGINEERING	03/08/2019
BTech	COMPUTER SCIENCE AND ENGINEERING	03/08/2019
Mtech	COMPUTER SCIENCE & ENGINEERING	16/08/2019
Mtech	VLSI DESIGN	16/08/2019
Mtech	COMPUTER SCIENCE & ENGINEERING	16/08/2019
Mtech	CAD/CAM ENGINEERING	16/08/2019
Mtech	POWER ELECTRONICS	16/08/2019
Mtech	POWER SYSTEMS	16/08/2019

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

	Certificate	Diploma Course
Number of Students	926	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
IPR AND PATENTS	03/06/2019	343
Professional Eithics and Human Values	03/06/2019	360
CRT	10/06/2019	376
ENGLISH LAB	02/09/2019	412
COMMUNICATION SKILL LAB	02/09/2019	462
ENGINEERINGB EXPLORATION LAB	06/01/2020	361

ENGLISH FOR RESEARCH PAPER WRITING	02/09/2019	21
CONSTITUTION OF INDIA	02/09/2019	207
Pedagogy Studies	23/09/2019	17
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Computer Science and Engineering	57
MBA	MBA	65
BTech	CIVIL	31
BTech	Electrical and Electronics and Engineering	41
BTech	Mechanical Engineering	250
BTech	ELECTRONICS AND COMMUNICATIONS ENGINEERING	35
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

1. Exit Feedback • The Exit Survey questionnaire is prepared by the Program Assessment Committee in consultations with the Department Advisory Committee. • The Exit Survey questionnaire is assessment of attainment of POs from the student's perspective. Its questionnaire is the listing of POs PSOs. • 3 Levels are used for all the 3 (Exit, Alumni, Employer) surveys. a) Substantial or Excellent for High with value of 3 b) Moderate or Good or Medium with value of 2 c) Slight or Poor or Low with value of 1 The student has to assess himself for each parameter either as 3 or 2 or 1. • The Exit Survey is taken from the Eighth semester students every year 2. Alumni Feedback: • The Alumni Survey questionnaire is prepared by the Program Assessment Committee in consultations with the Department Advisory committee. This Survey is taken during the Alumni Meet held every year. It is also taken whenever alumni visit college. • While calculating PO contribution by Alumni Survey, only alumni students of the most recent previous academic year is only considered. For 2016-20 batch PO calculation, 2013, 2014, 2015 Batches are considered. That is, to be considered as alumni, minimum 1 year must pass after their graduation. • This Survey is taken during the Alumni Meet held every year. It is also taken whenever alumni

visit college. • While calculating PO contribution by Alumni Survey, only alumni students of the most recent previous academic year is only considered. For 2016-20 batch Calculation, 2013, 2014, 2015 Batches are considered. That is, to be considered as alumni, minimum 1 year must pass after their graduation. 3. Employer Feedback • The Employer Survey questionnaire is prepared by the Program Assessment Committee in consultations with the Department Advisory Committee and the Placement Cell Coordinator. • This Survey is taken during the Placement activities held every year. • While calculating PO contribution by Employer Survey, only employers of the most recent previous academic year passed out students are only considered. For 2016-20 batch PO calculation, 2013, 2014, 2015 Batches are considered.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Civil	60	15	15
BTech	EEE	60	14	14
BTech	Mechanical	180	56	56
BTech	ECE	120	112	112
BTech	CSE	180	190	190
Mtech	PS	18	16	16
Mtech	PE	18	1	1
Mtech	VLSI	18	5	5
Mtech	CADCAM	18	15	15
Mtech	CSE	36	6	6
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1622	216	153	13	166

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
158	112	44	44	5	6
[View File of ICT Tools and resources]()					
[View File of E-resources and techniques used]()					

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

Type of mentoring: Professional guidance/career advancement/course work specific/laboratory specific/all-around development. A number of faculty members: All faculty in each Programme Number of students per mentor: 20 students from each batch Frequency of meeting: Scheduled Twice every 3 months and also as and when required. In each program, every faculty is assigned 15 students in an academic year. The students interact with the faculty advisor at least once in 45 days. This also facilitates the pre-registration guidance and enables students to take the right courses and appropriate electives. The faculty encourages the students to discuss their ideas and problems in person. The faculty keeps track of the attendance and progress of the students assigned to him. All the details of the students are maintained by the faculty. The same information is reported to the HOD/Principal along with necessary measures taken. They also provide advice on career matters. This has created a healthy and congenial atmosphere on the campus. An effective Student mentoring system (SMS) has already been implemented in our college. • All the students of the college are coming under this system from the date of joining the college. • A complete track of the student activities like Academic, Curricular, and Co-curricular Extra Curricular achievements, social activities, and the details of Parent Meetings are registered in the system. • Mentoring Forms have been distributed to all the staff of the college. Each staff member is allocated 15 students under the mentoring system. • Faculty members will have a meeting with the students periodically and their Academic progress and all activities are discussed and noted in the register. • Any discrepancies in the students behavior like poor attendance, etc will be questioned and will be counseled with care. • Staff will be submitting the mentoring forms to the Mentoring /Counseling Committee with members like the HOD, and Head of the institution. • The committees will scrutinize case by case and suggest corrective measures. • If necessary, the committee will have discussions with the Parents and Medical counselor.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1838	158	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
156	158	0	22	25

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Nil	Nill	Nill

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	UG	I/I	29/01/2020	23/06/2020
BTech	UG	II/I	06/11/2019	02/01/2020
BTech	UG	III/I	07/11/2019	10/01/2020
BTech	UG	IV/I	08/11/2019	03/12/2019
Mtech	PG	I/I	24/02/2020	19/08/2020

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute is affiliated with JNTUK, Kakinada, and follows the Examination pattern of the university. JNTUK guidelines are strictly adhered to with respect to the evaluation process. There are two Internal tests conducted. The schedules of internal assessments are communicated to students and faculty at the beginning of the semester through the university academic calendar. The institute has reformed the continuous internal evaluation system from faculty-centric to student-centric. The Institute Exam cell framed guidelines for conducting the CIE in line with the calendar of the Affiliate University.. As per the guidelines, the following reforms have been carried out effectively conducting CIE: • Scheduling of Internal Examination, Seating arrangements, and hall invigilators listed for every examination. • Preparing the question paper for the internal examination in the prescribed pattern based on Knowledge level using revised Bloom's taxonomy. • Scrutiny of the prepared question paper is carried out by HoD/ Subject expert to ensure the quality of the Question paper. • Monitoring the attendance of the students for the Examination. • Internal Assessment has to be carried out within the stipulated time. • After completion of the internal examination, the faculty evaluate the answer scripts and distribute them to the students for doubt clarifications or re-correction. The faculty submits the re-corrected scripts to the examination branch and marks are displayed on the notice board. • Result review meetings are conducted with result analysis and the remedial actions for further improvements are arrived at after discussion with faculty, HoD, and Principal. • Upload assessment marks in the university web portal and subsequently communicated to parents. The evaluation for theory courses are assessed in direct mode (80) covering both internal and university examinations and indirect (20) covering survey. The evaluation for laboratory courses is assessed in a similar pattern followed for theory courses. For each laboratory session, the student is assessed through viva questions and observations. The evaluation for the project course is assessed by conducting periodical project reviews covering key parameters like problem formulations, understanding of the project, presentation skills, communication of ideas, technical knowledge, teamwork, and project management. The major project consists of 200 marks. The project review committee organizes review meetings to assess the progress of all the project batches. The performance of the students in Internal Assessment is used by Faculties to identify slow and advanced learners in their respective subjects. Slow Learners are encouraged to improve their performance in the future by counseling. Counseling Sessions are used to sort out personal issues, and academic and non-academic problems.

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

The institute adheres to the Academic Calendar prepared according to the calendar provided by JNTUK University. Every year we prepare the academic calendar for the institute and also a department-wise activity schedule for smooth functioning. This ensures that the curriculum is enriched through related activities like guest lectures, extension series, and industry interaction. For the academic session, an academic calendar was prepared and followed for the conduct of examinations and other activities. The academic calendar is displayed on the institute website and also shares with the head of the departments so as to ensure proper execution. Being an institute affiliated with JNTUK, we follow the academic schedule provided by the university. The Institute prepares its own academic calendar for various programs which follow the timelines/guidelines and academic schedule of the affiliating University. Generally, the JNTUK gives guidelines on the following in their academic

schedule, along with the annual cultural and sports meet schedule. • Beginning of the academic sessions. • Last working day of the semester. • Mid-term examination schedule. • Annual day meet • End-term theory and Practical examination schedule. • Vacation schedule. The same academic calendar is published on the institute's website before the beginning of every academic year. It provides plans for the academic year to students, faculty, and parents. Considering the academic calendar, each department functions according to the teaching plan prepared at the department level.

2.6 – Student Performance and Learning Outcomes

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

https://aietta.ac.in/cse.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG	BTech	CIVIL	37	36	97
UG	BTech	EEE	36	30	83
UG	BTech	MECHANICAL	136	120	88
UG	BTech	ECE	48	44	92
UG	BTech	CSE	100	87	87
PG	Mtech	PS	9	2	22
PG	Mtech	PE	7	4	57
PG	Mtech	VLSI	7	2	29
PG	Mtech	CADCAM	13	2	15
PG	Mtech	CSE	14	5	36

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2.7 – Student Satisfaction Survey

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

https://aietta.ac.in/iqac/Students-Satisfaction-Survey%20(2019-2020).pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	90	Technosoft Solutions	0.2	0.2
Industry sponsored Projects	90	Matchwell Technology Solutions	0.3	0.3
Industry	90	SRINIVASA	0.2	0.2

		SHEET METAL		
Industry sponsored Projects	60	BBENCHMARK ENGINEERING SOLUTIONS	0.3	0.3
Industry sponsored Projects	90	Equipments Spares Engineering Pvt.Ltd.	0.4	0.4
Industry sponsored Projects	90	SAK ROBOTIX LAB	0.2	0.2
Industry sponsored Projects	90	ENGINEERS HUB	0.4	0.4
Industry sponsored Projects	90	Millenium software solutions	0.35	0.35
Industry sponsored Projects	90	matchwell sloutions	0.33	0.33
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights	ECE,EEE,CSE	03/02/2020
Intellectual Property Rights	Mech,Civil, MBA	13/12/2019
ENTREPRENEURSHIP DEVELOPMENT	ECE, EEE, CSE	17/09/2019
ENTREPRENEURSHIP DEVELOPMENT	Mech,Civil, MBA	04/07/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Teacher Award	Mr S.Kesava Rao	AIET	05/09/2019	CSE
Best Teacher Award	Mrs A Swathi	AIET	05/09/2019	CSE
Best Teacher Award	Mrs Ch kavita	AIET	05/09/2019	CSE
Best Teacher Award	Mrs.NVN Anusha	AIET	05/09/2019	EEE
Best Teacher Award	Mrs.S Jhansi rani	AIET	05/09/2019	EEE
Best Teacher Award	Mr G Prasanth	AIET	05/09/2019	EEE

Best Teacher Award	Mrs M Himangesewari	AIET	05/09/2019	Civil
Best Teacher Award	Mrs Sumathi Misro	AIET	05/09/2019	Civil
Best Teacher Award	Mr R.Venkatesh	AIET	05/09/2019	Civil
Best Teacher Award	Mrs. S. Santoshi Bhavani	AIET	05/09/2019	ECE

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
DASSAULTS Lab	DASSAULTS	APSSDC	DASSAULTS LAB	Design	03/10/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
0	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	BSH	1	0
International	BSH	5	1
International	MECH	9	8
International	EEE	9	2
International	MBA	2	2
International	ECE	10	3
National	CSE	9	1.5

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
BSH	3
EEE	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
comparative analysis of pulsed latched and flip flop based shift register for high performance of low power systems	Mr.K.AVINASH KUMAR	IJRD	2019	2	Avanthi Institute of Engineering and Technology	2
an optimization low voltage ,low power double tail comparator for high speed analog to digital converter	Mr.P.SANTOSH KUMAR	IJMR	2019	0	Avanthi Institute of Engineering and Technology	1
Low power Full adder by exploring new XOR and XNOR gates	Mr.S.DAYA SAGAR CHOWDHARY	IJRD	2019	0	Avanthi Institute of Engineering and Technology	10
Perormane cmpression of linear precoders for TDD large scale MIMO system with imperect Reciproity channel Es timations	V.Adinarayana	Springer	2019	0	Avanthi Institute of Engineering and Technology	2
OFDM based massive MIMO	V.Adinarayana	IJITEE	2019	0	Avanthi Institute of Engineering and	8

					Technology	
channel estimation using gaussian mixture learning compressed sensing me thodsacter izing and predicting early reviewers for effective product marketing on e- commerce website						
Heart Diseases Diagnosis process using MRI segmentati on LASSO Net classi fication ML	V.Adinar ayana	JCE	2020	1	Avanthi Institute of Enginee ring and T echnology6	4
Desing D evelopment of antenna array using slots for mutiband a pplication s	V.Adinar ayana	JARDCS	2019	1	Avanthi Institute of Enginee ring and Technology	2
design of low power high performanc e 2 to 4 and 4 to 16 mixed logic line decoders	B.TEENA RATNA PRASUNA	IJMR	2019	0	Avanthi Institute of Enginee ring and Technology	2
Load Frequency Control Of Multi Area Power system Using Fuzzy-Pi	B.Anand Swaroop	IJRAR	2019	0	Avanthi Institute of Enginee ring and Technology	1

| Load Frequency Control Of Multi Area Power system Using Fuzzy-Pi Controller | V.Sudhakar | IJRAR | 2019 | 0 | Avanthi Institute of Engineering and Technology | 1 |

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
NIL	NiL	NA	Nill	0	0	Avanthi Institute of Engineering and Technology

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	70	0	1
Presented papers	8	0	0	0

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Yoga Day	NSS	18	156
INDEPENDENCE DAY	NSS	62	223
TEACHERS DAY	NSS	68	912
VANAM MANAM	NSS	24	259
FOUNDATION DAY	NSS	24	236
GANDHI JAYANTHI	NSS	60	221
NON VIOLANCE DAY	NSS	24	260
OLD AGE HOME	NSS	8	34
VOTERS DAY	NSS	20	231
ENGINEERS DAY	NSS	68	822

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Distribution of Blankets to Oldage Home and Plantation	Appreciation	Lions Club, Bheemili, Centennial	34
Blood Donation Camp	Appreciation	Indian Red Cross Society	348
Awareness Program on Plantation and Open defacation in India	Appreciation	Government Z.P. High School, Chittivalasa	161
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Outreach activity	AIET NSS	SWACH BHARATH	10	66
Outreach Activity	AIET NSS	SERVICE TO PUBLIC DURING GIRIPRADHARSANA	80	300
Outreach Activity	AIET NSS	AWARENESS ON ENVIRONMENTAL POLLUTION	60	250
Outreach Activity	AIET NSS	WORLD ENVIRONMENTAL DAY	50	350
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research	Mr.JUTHIGA JAGADISH	AIET	365
Research	MISS. LAXHMI SRAMIKA	AIET	365
Research	Mr.A ARJUN RAO	AIET	365
Research	Mr.M RAGHAVARAO	AIET	365
Research	Mr.PULLI SURESH KUMAR	AIET	365
Project/ Internship	GURAVANA GANA	HINDUSTAN SHIPYARD	35
Project/ Internship	BANTUBILLI VENU	COROMANDAL	35
Project/	BEVARA SRIKANTH	VIZAG PORT TRUST	35

Internship					
Project/ Internship	BHAVANI KOULOORU	PEARL BOTTELING			35
Project/ Internship	BODDU YAMINI	KML BANK			35

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Expert lecture	Microprocessor Microcontroller	Mrs.M.Karuna Assosc.Prof VIIT,VSKP	21/10/2019	21/10/2019	55
Field Trip	Field Trip	Machknd Hydel power plant visit	21/12/2019	21/12/2019	36
Field Trip	Field Trip	TLSS divison 220KV Substation AP Transco Gajuwaka ,Vskp	27/12/2019	27/12/2019	42
Field Trip	Field Trip	TLSS divison 220KV Substation AP Transco Gajuwaka ,Vskp	28/08/2019	28/08/2019	57
Field Trip	Field Trip	10 MW Solar Power Plant,Vskp	09/10/2019	10/10/2019	57
Field Trip	Field Trip	10 MW Solar Power Plant,Vskp	09/11/2019	11/11/2019	44
Field Trip	Field Trip	TLSS divison 220KV Substation AP Transco KALAPAKA Parvada ,Vskp	10/12/2019	10/12/2019	39
Field Trip	Field Trip	Power Grid	06/09/2019	06/09/2019	62
Field Trip	Field Trip	TLSS	19/10/2019	19/10/2019	39

		divison 220KV Substation AP Transco KALAPAKA Parvada ,Vskp			
Expert lecture	Industrial Instrumentat ion	Mani BhushanRao, BARC Scientific officer-E	07/12/2019	07/12/2019	105

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Genpact India Private Limited	24/10/2019	1. To promote interaction between Avanthi Institute of Engineering and Technology, 2nd Shift polytechnic College, Cherukupalli(V), Vizianagaram and Genpact India Private Limited, Habsiguda, Hyderabad, Telangana-500007 in mutually benefitted areas	60
Synergies Casting Limited, Duvvada, Visakhapatnam	11/03/2020	1. Exchange of expertise by means of Guest lectures, Technical Seminars, Workshops and other events for benefits of Faculty and Students. 2. Permitting the Students for one or two days Industrial Visits. 3. Permitting practical training	103
MATCHWELL TECHNOLOGY SOLUTIONS	01/07/2018	MATLAB PCB DESIGNING PLC SCADA	142
TECHNOSOFT SOLUTIONS	26/07/2018	SMART GRID MATLAB	86
Bench mark	09/10/2018	PRO-E, ANSYS,and	153

engineering Solutions , visakhapatnam		CFD training	
ENGINEERS HUB	26/06/2019	Gate Core Subjects and Aptitude training	154
MILLENNIUM SOFTWARE SOLUTIONS	15/06/2019	CATIA, ANSYS , CFD	155
NDT CONSULTANCY TRAINING CENTRE, Visakhapatnam	14/06/2019	Quality Control Techniques, Quality Evaluation Methods in Industries	153
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
115	101

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Class rooms	Existing
Video Centre	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL	Fully	2.0	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	35214	6804125	920	47255	36134	6851380

Reference Books	6855	1280866	156	78120	7011	1358986
e-Books	3533	27140	938	13570	4471	40710
Journals	367	1151564	90	264858	457	1416422
e-Journals	18911	190140	3988	92786	22899	282926
Digital Database	2	84370	0	0	2	84370
CD & Video	1389	336583	15	5420	1404	342003
Library Automation	1	210808	1	4000	2	214808
Weeding (hard & soft)	74	40533	102	29540	176	70073

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	01/07/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	510	6	510	1	1	2	6	100	0
Added	60	0	60	0	0	0	0	0	0
Total	570	6	570	1	1	2	6	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	https://aietta.ac.in/avanthi_portal/

4.4 – Maintenance of Campus Infrastructure

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

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

	facilities		facilites
181	180	197	196

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college has a sufficient auditorium having adequate infrastructure like ICT classrooms and a central library. The college has an adequate number of computers with internet connections and utility software distributed in different locales like offices, laboratories, libraries, departments, etc. The college has ORS water plant, security personnel, sweepers, gardeners, scavengers and electricians, etc, to keep the college premises clean and green. The college runs the Dassault lab sponsored by A P Government, the college has sufficient sports facilities and an NSS unit. The Central Library has developed an excellent collection of books, journals, and non-book materials in Engineering, technology, humanities, and management. It maintains a separate collection of Reference Books, Bound volumes of journals, Technical Reports, and Theses. Our Central Library is spacious and fully automated that it can accommodate 150 users at a time and the database is managed by Engineering College Automation. The library is using OPAC (Online Public Access Catalogue), wherein the users can search the Library Online Catalogue by Author name, title, subject, and keywords available on the campus LAN. A separate wing is provided for competitive exam books.

https://aietta.ac.in/aqar201920.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	AVANTHI FREESHIP, Avanthi Merit Schlorship	338	8093400
Financial Support from Other Sources			
a) National	AP Govt. Fees Reembreshment	1327	70659100
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remidial classes	30/08/2019	458	Avanthi Institute of Engineering and Technology
Personal counseling	26/08/2019	475	Avanthi Institute of Engineering and Technology
Guidance for competitive exams	04/07/2019	819	Avanthi Institute of Engineering and Technology

career counseling	26/07/2019	890	FACE Organization
soft skill development	08/07/2019	819	FACE Organization
language lab	12/08/2019	290	Avanthi Institute of Engineering and Technology
Yoga and Meditation	10/09/2019	380	Rishi Samsukruthi Vidya Kendra
Bridge course	19/07/2019	120	Avanthi Institute of Engineering and Technology

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	CRT/Placements	395	395	0	283
2019	Carrier Counseling/ Comp Exams	395	395	8	0

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
31	405	262	6	151	21

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B. Tech	EEE	Avanthi Institute of Engineering	M.Tech

2020	1	B Tech	ECE	NIT Silichar	M.Tech
2020	1	B Tech	ECE	GVP College Visa khapatnam	MBA
2020	1	B Tech	MECH	NIT Alahabad	M.Tech
2020	1	B Tech	MECH	GITAM University	M.Tech
2020	2	B Tech	MECH	JNTU Vizianagaram	M.Tech
2020	2	B Tech	CSE	University of Houstan, USA	MS
2020	1	B.Tech	CSE	Visakha Institute of Engineering and Technology	M.Tech

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

Items	Number of students selected/ qualifying
GATE	3
Any Other	10
No file uploaded.	

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

Activity	Level	Number of Participants
Freshers Day Celebrations	Institute Level	350
AVANSIS 2K20	National Level	488
TECHNIKA 2K20	National Level	372
Engineers Day Celebrations	Institute Level	106
EEE Day Celebrations	Institute Level	65
Induction Meet Celebrations	Institute Level	86
International Women Day Celebrations	Institute Level	58
International Yoga Day	Institute Level	375
Teachers Day Celebrations	Institute Level	110
Independence Day	Institute Level	334

Celebrations		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Gold medal	National	1	Nill	17Q71A0112	kolla srinivasa rao
2020	FIRST PLACE	National	Nill	1	17Q71A04 32,17Q71A0 454,17Q71A 0460,17Q71 A0465,17Q7 1A0439,17Q 71A0432,17 Q71A0454,4 60,465,439	STP Srja, T Srujana Amrutha, S Swathi, V Naga Mani, M Swathi, K Sailaja

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

The main role of student representatives in academic and administrative bodies is to gather views from their peers regarding various aspects of their course and to communicate those to staff members. This can be positive feedback on aspects that work as well as concerns about issues that negatively affect the student experience. Student representatives will also be invited to comment on and provide input to proposed changes to procedures or structures, in reaction to student surveys, external examiner reports, and teaching program reviews. They also report back to their classmates and they share information about any action that is decided as a result of the discussion. Minutes of staff and student bodies will also be made available to all the students. The overall aim is to improve the learning experience for current as well as future students. Training is provided to student representatives to help them in their roles. Academic Administrative Bodies: Grievance Redressal Committee: The committee was formed to settle genuine grievances and to create a healthy relationship among the students on campus. Few student representatives were identified in every department to find the grievances in their respective domains. Training And Placement Cell: To assist students in their career planning and provides information that helps students to shape their future in a better way. The committee provides arrangements for industrial visits and placements to the students in their core subjects. Student members as part of the committee request the management to get more core companies to the campus and also to provide more guidance through conducting seminars by professionals. Women Welfare/Sexual Harassment Eradication Committee: The main objective of the Women Welfare Committee is to empower girl students and female faculty, to enhance understanding of issues related to women, and to make the campus a safe place for girl students and female faculty. With a view to taking up womens issues and problems, the cell aims at creating awareness of their rights and duties by conducting guest lectures. As a part, students should work actively to recognize the issues related to girls problems and bring to the notice of the committee and resolve them quickly. Anti-Ragging Committee: The college has an Anti-Ragging Committee consisting of faculty and student members. The

objective of the committee is to review and strengthen the measures to curb the menace of ragging and to make a zero-tolerance ragging campus. Student members should identify ragging issues in campus and should get to the notice of the committee to resolve them without creating any inconvenience to any student.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The reputation of an Institute depends on the achievements of its Alumni. In recognition of this fact, AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY established Alumni Committee in 2011 which aims to foster interactions and strengthen the bond between Alumni and the Institute through activities, programs and services for a mutual relationship. The Alumni committee organizes interaction sessions and orientation programs on various topics to its members on a quarterly basis. Alumni committee is providing scholarships to the deserved candidates through funds. Our Motto is: To organize Alumni meet and greet the alumnus every year To develop healthy environment among its members through activities To update the activities on a regular basis in the Alumni website of the Institute To avail all the updated information in the website for the students Maintaining and updating Alumni database Updating various events in the website and social media to reach out to Alumni Association throughout the world To organise activities in a better way to improve skills To work out in a better way to reach their goals To conduct seminars on "Alumni Talks" To help out poor students through financial assistance The management of Avanthi is even maintaining a committee to look into the activities in all aspects with relation to Alumni Association. A few experienced faculty from all branches was appointed as In-charges to maintain it in a better way. The committee is gathering at college premises twice in a year to discuss the issues which are likely to implement and also to strengthen the bond for a mutually beneficial relationship. On yearly basis, the committee is organizing interaction sessions to the current year students with ex-students to motivate them in all aspects by sharing their experience. The committee is working out to place AVANTHI'S Alumni on top position.

5.4.2 – No. of enrolled Alumni:

811

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

112500

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Association meeting -1 Executive body meetings – 2 Alumini Talk to Series-3

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The focus and core ideology of the institution is reflected in its Vision, Mission, and Quality Policy as shown below: 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 a positive approach. 3. To self-confidence among students which is an imperative pre-requisite to face the challenges of life. Quality Process: Updated domain knowledge, hands-on

experience, continuous improvement, and global standards. There are three levels of the administrative structure under which all the activities of the institute are carried out. 1) Society level - The management of the institute is directed by Governing Body, whose members, are appointed in accordance with the guidelines provided by the AICTE. 2) Institute level - All the main decisions related to the institute are taken by the Principal in consultations with the Head of departments. The principal is the academic and administrative head of the Institute and the Member of the Governing Body. Some financial power is given to the principal for the development of the institution. 3) Department level - The Department Heads are responsible for to look the day-to-day administration of the department and reporting to the Principal. In addition, any institute staff member can give suggestions and ideas for improvement. Students also participate through different formal and informal feedback mechanisms. A suggestion box is kept in every department for suggestions from students. Management and Trustees are approachable and accept all suggestions. Participative management: The institute always promotes the culture of participative management by involving staff and Students in various activities. All decisions of the institution are governed by management. The students and faculties are allowed to express themselves with any suggestions to improve the excellence in any aspect of the Institute. 1) Strategic Level: The Principal, HODs, dean academics, and staff members are involved in defining the policies and procedures, and rules/regulations related to admission, placement, discipline, grievance, counseling, training development, library services, etc. 2) Functional Level: At the functional level, the faculty members participate in sharing the knowledge by discussing on latest trends/technology during the faculty meeting. Some Staff members are involved in the preparation of the annual budget of the department and institute. 3) Operational level: The Principal of the institution is a member of the governing body. The governing body gives suggestions and monitors the procurement, and introduction of new programs, and welfare activities. All the staff members actively participate in implementing the policies, procedures, and framework designed by the management in order to maintain and achieve the quality standards and achieve the vision and mission of the institution. The office staff is involved in executing day-to-day support services for students and faculties.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The institute is offering 5 UG and 6 PG professional courses. As per AP State Council of Higher Education (APSCHE) norms 70 percent of students of UG and PG programs are admitted through centralized admissions organized by the government (EAMCET for UG, GATE/ PGECET for M.Tech. and ICET for MBA). The remaining 30 percent of seats (B Category i.e. Management/NRI) are filled by the Institute duly following the guidelines. Notification is given by the institute in the reputed newspapers calling for applications for B Category seats. The

	application form for B Category seats is available on the college website and can be downloaded. A merit list is prepared from the applications received and placed on opportunities on the college website and notice boards.
Teaching and Learning	To provide adequate, good, airy academic and supporting spaces for effective teaching and learning. To have conference/seminar halls, meeting rooms, faculty cabins, a library, and a digital library for effective teaching and learning. To use Information Communication Technology for all academic processes and procedures including Teaching Learning. To provide round-the-clock access to the internet and e-services to students and faculty members. To develop classrooms, AV classrooms, and central library and contents to meet the dynamic and ever changing requirements of teaching and learning. To develop laboratories not merely as per JNTUK curriculum requirements but also beyond the curriculum to meet the research needs of faculty and students. To promote learning materials like AV classes, Write-Ups, PPTs, Multimedia Content, Working Models, and Virtual labs for enhancing the effectiveness of the teaching-learning process. To provide amenities like drinking water, canteen, transport, playgrounds, dispensary, etc.
Industry Interaction / Collaboration	Industry interaction has provided opportunities for the students to undergo in-plant training, industrial visit, etc. Guest lectures by experts from the industry.
Library, ICT and Physical Infrastructure / Instrumentation	Student records/ attendance/ internal marks/ fee payments are fully computerized. --Purchase/salary/leave records of faculty are fully computerized. -- Wi-Fi-enabled campus. -- Maintenance of computational systems by the internal systems administration team. --Regular updating of Library facilities and Physical infrastructure --Availability of textbooks, reference books, and journals in the library is ensured for effective course delivery. --In the central library, there are ample volumes of books, magazines, and journals for easy access to reference books for faculties and research scholars.

Research and Development	All the departments of the Institute have well-equipped laboratories with adequate infrastructural facilities. The institute has wired Wi-Fi internet facilities for fast access to online resources. The faculty members are encouraged to publish their research contributions in various National, International peer-review Journals and conferences. The institute encourages research scholars by providing on-duty leave to succeed in their research. The institute motivates the faculty members to attend research-oriented seminars/ workshops/ conferences, etc., by providing special on-duty leave. Encouraging faculty members to pursue Ph.D. programs in reputed universities. The institute supports the researchers by providing high end computing facilities with the necessary software and with modern equipment. The institutes central library facilitates research-oriented books, journals ejournals for research reference.on opportunities.
Human Resource Management	Our institution is very much concerned about its human resources. Employees are given the highest importance and their desires are recognized well. The recruitment procedures, service rules, and promotion policies are made transparent and employees are benefitted from CL, Medical Leave, and EPF. The employee's salary will be credited to the bank account directly. The non-teaching staff has an ESI facility for their family members. The institution encourages the employees to do their promotional activities in the form of higher education, presenting research papers at National/ International conferences with financial assistance.
Examination and Evaluation	Question papers for the semester-end examination are set by University JNTUK -- Appointment of evaluators from reputed institutions appointed by JNTUK ensures impartial valuation of answer scripts. -- Recounting and reevaluation facilities are provided by JNTUK --Inclusion of security features in grade cards so that chances of manipulations are nullified. -- Complete automation of the examination management system ensures considerable improvement in speed, reliability,

	efficiency, security, transparency, confidentiality, and accuracy in the process of the examination process and take care of by JNTUK. Parents could access the result status of wards. -- Continuous Evaluation of students is carried out by giving assignments and conducting assessment tests and mid-examinations, students will be evaluated continuously and corrective measures shall be taken if necessary. -- Academic and administrative audit report (External) is incorporated so that there is always scope for continuous improvement. --Mini projects and major projects are evaluated through presentations and viva. Grades are awarded using the project rubrics framed by the department. -- Program outcomes are evaluated using the performance of these course outcomes -- Finally, PEOs and PSOs are evaluated using the performance of program outcomes, graduate exit survey, and Stakeholder feedback.
Curriculum Development	Avanthi Institute of Engineering and Technology offers 5 U.G and 6 PG programs leading to different degrees in U.G, and PG in an engineering discipline. Our institute permanently affiliated to University JNTUK and issued regulations and and Syllabus.The curriculum design and development focus on thrust areas identified by the APIIC, CII, Planning Commission, and department of higher education which covers employ ability, HRD, contributions to social and economic development, and future global challenges. These objectives are built into the curriculum at the micro level which satisfies the POs, PSOs, and COs. A provision is made for additional courses which sensitize students to crosscutting issues. The syllabus are revised based on current global trends and stakeholders' feedback and send to University timely.

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

E-governace area	Details
Administration	The online communication system is in practice for most of the activities to be accomplished for administration -- Programmes such as seminars, FDPs, conferences, training, etc. are being promoted through digital media --

	Avanthi Institute of Engineering and Technology portal is uploaded regularly with all important happenings in the respective portals. -- Notices and circulars are uploaded to the college website and communicated to different departments through email from the office of the principal -- The salary of faculty members and staff are transferred directly to the bank account.
Finance and Accounts	The Salaries and Payments and Fee dues are collected Online Digital Payment facility Tally and e- software tools are in practice for maintaining a record of all the financial transactions
Planning and Development	Avanthi Institute of Engineering and Technology actively uses them and audits online sources of operations. In placement, PB Works and High rise are used as two sources of controlling and updating the campus placement activities. For salary and leave, Paybooks are used to prepare salaries and upload salary slips. It keeps the track of all personnel details of employees. Institute has its LAN connection to communicate with internal stakeholders. Institute maintains its website to communicate its philosophy and updates to external stakeholders.
Student Admission and Support	The admission enrollment, registration, and the related process is carried out using the E software Timely updates are provided to all the aspiring students through the bulk SMS and Bulk Whatsapp software in addition to a vibrant college website and facebook/ Instagram accounts
Examination	Question papers for the semester-end Examinations are set by outside subject experts from reputed Institutions. -- Inclusion of CCTV cameras in corridors for continuous monitoring of examinations conducted in examination rooms, identifying the entry of unauthorized persons into the examination section, and Continuous monitoring of activities of the examination section and spot evaluation process. -- Appointment of Values from reputed institutions ensures impartial valuation of answer scripts. -- Recounting and reevaluation facilities are provided -- Inclusion of security

features in grade cards so that chances of manipulations are nullified. -- Complete Automation of Examination Management System ensures considerable improvement in speed, reliability, efficiency, security, transparency, confidentiality, and accuracy in the process of the examination process. Parents could access the result status of wards. -- Continuous Evaluation of students is carried out by giving assignments and conducting Assessment Tests and Mid examinations, students will be evaluated continuously and corrective measures shall be taken if necessary. -- Academic and Administrative Audit Report (External) is incorporated so that there is always scope for continuous improvement. -- Mini Project and Major Projects are evaluated through presentations and viva. Grades are awarded using the project rubrics framed by the department. -- Program outcomes are evaluated using the performance of these course outcomes -- Finally, PEOs and PSOs are evaluated using the performance of program outcomes, Graduate exit survey, and stakeholder feedback.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	G Ramu	Developing Mathematical Model for Solar Thermal System (Workshop)	---	1000
2019	G Ramu	---	ISTE Life Membership	3000
2019	G Ramu	Finite element analysis Approach for Industrial Applications using ansys (Workshop)	---	1000
2019	A M Venekata Praveen	---	Certificate of Membership in Institute	500

2019	K Deepthi	---	Certificate of Membership in Institute for Engineering Research and Publication	500
2019	T Srinivas	3 Day National level Conference on Outcome based education and accrediation (Conference)	---	2000
2020	T srinivas	One day national Seminar on 16Cs Of Success (Seminar)	---	1000
2020	S.Suman datta	3 Day National level Conference on Outcome based education and accrediation (Conference)	---	2000
2020	S.Suman datta	One day national Seminar on 16Cs Of Success (Seminar)	---	1000
2020	K Swetha	3 Day National level Conference on Outcome based education and accrediation (Conference)	---	2000

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	FDP on Artificial Intelligence and	---	05/08/2019	09/08/2019	15	Nill

Year						
		Machine Learning				
2019	---	Skill Development work shop	17/09/2019	17/09/2019	Nill	6
2019	FDP on Block Chain Technology	---	09/09/2019	13/09/2019	14	Nill
2019	---	Basic Computer Training	28/09/2019	28/09/2019	Nill	8
2019	Short term training on Cloud Computing	---	14/10/2019	16/10/2019	12	Nill
2019	FDP on Hadoop and Big Data	---	04/11/2019	08/11/2019	13	Nill
2020	FDP Cybersecurity and AI	---	20/01/2020	24/01/2020	15	Nill
2020	Short term training on IoT	---	03/02/2020	05/02/2020	16	Nill
2020	Basics of system Trouble shooting	Basics of system Trouble shooting	31/01/2020	31/01/2020	1	8
2019	Five day FDP on Wind analysis and design of tall structures	---	16/08/2019	20/08/2019	8	Nill

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Five Day FDP on Internet of Things in Civil engineering	4	08/07/2019	12/07/2019	5
Five Day FDP on environment of	4	19/08/2019	23/08/2019	5

Geptechnology				
One week online Faculty Development Program on Performance of Reliable Materials in Concrete	5	16/12/2019	20/12/2019	7
FDP on Structural Design Engineering BIM Technology.	4	27/01/2020	31/01/2020	5
Five Day FDP on Emerging Trends in Geotechnical Sustainability (ETGS-2020)	5	10/02/2020	14/02/2020	5
Outcome Based Education System	2	21/05/2020	23/05/2020	3
Novel Materials And Its Industrial Applications	3	13/05/2020	18/05/2020	6
Practical Aspects of Finite Analysis Usibng Abaqus	2	18/04/2020	24/05/2020	7
Recent Trends In Robotics And Intelligent Manufacturing	2	05/05/2020	13/05/2020	3
3d Printing Applications	1	05/05/2020	05/05/2020	1
[View File](#)				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
166	0	64	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Maternity Leave for female staff members • Special casual leaves are sanctioned for attending conferences and workshops • Study leave is granted	Scholarship for the children of non-teaching, employment support for their children.	Scholarships for poor students Subsidized food at canteen

for higher education and qualification improvement • Providing Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops. • Incentives for RD activities • Seed Money for Initiating Research Work ° Incentives for publication in Journals and Conferences ° Reimbursement of entire expenditure (TA, DA, accomodation, Loal travel etc.,) for faculty interaction/discussion with RD personnel and submission of research proposals at various defence organizations ° Provision of space for Gannavaram (Sister concerned institution) at discounted prices. • 50 contribution for the Synd Arogya scheme of Syndicate Bank for a policy of Rs.1 Lakh is provided by the institute. • Facilitated Employee's co-operative society for credit and thrift which provides loans up to 2 Lakhs at a low-interest rate. • All the regularised staff members are covered under the Employees Provident Fund Scheme and gratuity poor and meritorious students. • Subsidized food at canteen. • Medical Treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, Gannavaram (Sister concerned institution) at discounted prices. • Accidental insurance for all the students is being provided. faculty startups • Provision of exclusive computing facilities to all senior faculty and faculty

pursuing research		

6.4 – Financial Management and Resource Mobilization

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

The institute has an effective mechanism for auditing the accounts. The accounts of the institute are audited by a chartered accountant regularly as per Government rules. When there are additional expenses over and above the budget proposals, a special sanction 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 were done for the financial year 2018-19.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Institute sponsorship	120000	student education

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts	Yes	Audit Committee
Administrative	Yes	External Experts	Yes	Audit Committee

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

1. Annual informal meetings to identify the issues related to students 2)Regular meetings with parents for improving regularity and performance of students 3) Identification of problems and counseling of students

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

1. One week training program learning of Python program 2. Guest lecture on communication and soft skills 3. Workshop on Matlab for students 4. Workshop on use of accounting software focus. 5. Workshop on CFD and RAC

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

1. Industry-Institute Interaction Cell 2. Formed students clubs 3. Internship is made part of curriculum

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Workshop on International Plastic Bag Free Day 2019	03/07/2019	03/07/2019	03/07/2019	43
2020	One day workshop on Writing Research	03/01/2020	03/01/2020	03/01/2020	57
2020	Skill Development for Financial Independence.	06/08/2019	06/08/2019	06/08/2019	80

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness program on Women's right	23/09/2019	23/09/2019	122	0
Guest Lecture on mental health awareness	16/12/2019	16/12/2019	130	102
Career development	23/01/2020	23/01/2020	112	175
Women's day celebration	08/03/2020	08/03/2020	116	32
online webinar on eradication of gender bias	16/03/2020	16/03/2020	224	146
awareness program on covid 19	04/05/2020	04/05/2020	156	231

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

Percentage of power requirement of the University met by the renewable energy sources
50

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
Physical facilities	Yes	1
Provision for lift	Yes	1
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	Nill	05/06/2019	1	PLANTATION	Green Environment	60
2019	Nill	1	02/12/2019	1	Swachh Bharat	Green Environment	75
2020	Nill	1	25/01/2020	1	NATIONAL VOTERS DAY	Created awareness among students and public	50
2020	1	Nill	05/02/2020	1	CAREER GUIDANCE	Created awareness among students regarding Career opportunities	200

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

Title	Date of publication	Follow up(max 100 words)
Human Values Includes Professional Ethics	02/07/2019	Professional Values are a part of the curriculum on campus. Professional Ethics and Human Values are very relevant subjects in today's

environment of conflicts and stress in the profession with the obligation to be met by one person in many directions. A formal study will certainly improve one's ability and judgment and refine one's behavior, decisions, and actions in performing the duty to the family, organization, and to society. Technology has got a profound effect on the world and engineering plays an important role in all aspects of technological development to work on ethics. So that they can imbibe and practice human values. Progress is always from the past into the future taking the best from everything and everywhere. We conducted guest lectures on campus on Professional Ethics. Several universities in India have recognized the need to introduce a course in Human Values and Professional Ethics. In view of the degradation of moral values and degeneration of cultural values, it is a development in the right direction. Indian culture along with various other cultures developed around the world. This forms the foundation for the value system in this country. It is inspired by past glory and great achievements. Professional Ethics as personal and corporate rules govern behavior within the context of a particular profession.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants

Independence Day	15/08/2019	15/08/2019	310
Teachers day	05/09/2019	05/09/2019	110
Engineers day	15/09/2019	15/09/2019	80
Republic day	26/01/2020	26/01/2020	305
Womens day	08/03/2020	08/03/2020	115
[View File](#)			

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

Objectives • To make pollution free campus • Environmental protection • To encourage environmental awareness among the employees and students • To minimize the impact of all our activities on our surroundings • To use modern equipment and technology • To promote the reduction of vehicles in the campus •To make use of smart work through technology •waste management practices Context Avanthi Institute of Engineering and Technology aims at promoting a society which cares: cares to protect, preserve and conserve. In order to promote the factor of sustainability and to conserve the nature, it is important for us to deviate from our conventional ways and look for a better future. Realizing the importance of sustainable development many activities are undertaken to make the campus environmentally friendly and students sensitive to the ecological issues. The institution takes the initiative of going eco-friendly for a change, for better development to see in the campus .The college is implementing many ways to make the campus pollution free and also eco friendly. The institution is encouraging the environmental awareness among the employees and the students through the methods implemented in the campus. There are different ways that the college is following like plantation, paperless office, vehicle free zone, use of bicycles, parking zone is far from the pedestrian roads, use of LED bulbs, waste management etc. The campus is a plastic free campus and it also it aims paperless office to reduce the paper work and to promote a forestation. The college is implementing and following eco friendly environment in the campus.College campus is lush-green campus with a large number of plantations. College is following a slogan of 'Go green' for this the institution is planting the saplings to make the campus green. With the collaboration of NSS not only outside of the campus, the college even follows the same plantation within the campus. To reduce the pollution and to develop the greenery in the college we are going with the plantation. The institution is following vehicle free zone system in the campus. Every week one day is considered as vehicle free zone day, where vehicles are completely prohibited in the campus .This aims at pollution free campus .Bicycles are used in the campus by the students ,teaching and non teaching staff of the college to reduce the pollution in the campus and to improve the health condition of everyone. College buses are also stopped at the entrance and the students and staff will reach the destination by walk. Usage of plastic is strictly prohibited in the campus. The institution has a very keen eye on the usage of plastic in the campus. It was strictly instructed that the use of plastic should be totally avoided in the campus. Even in the canteen plastic covers, plates and cups are strictly prohibited in the campus. Plastic is more harmful for the society to reduce the effect of plastic in the nature the college is avoiding th

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices as per NAAC format Best Practice – 1: 1. Title of the Practice: Swachh Campus 2. The context that required the institution of the practice: ? Swachhta has been recognized and accorded top priority by the government of India. A clean or swachh mind is generated from swachh environment. ? The

Institute needs to play the lead role in making the students aware of the quintessential need for hygiene. ? Along with Education,swachhta is also a precious lesson that can be learnt in the Institution as it defines the personality of the students. 3. Objectives of the practice: ? To Institutionalise cleanliness or swachhta as an integral part of the functioning of the Institution. ? To contribute positively to attain Sustainable development goals related to environment and health. ? To provide guidance to the students on various aspects of swachhta for a clean and green campus. 4. The Practice: The Institute builds swachhta skills in students and ensure they take ownership of maintaining swachh campus.The Institute had developed a structured curriculum on Environmental Hygiene, plantation,sanitation and waste management. The Institute had contributed to the swachh bharat abhiyan by building awareness among students through celebrating various days throughout the year.In order to maintain swachh campus,the students practice the habit of cleaning the campus once a week.The Institution conducts sanitation programs regularly to ensure the wellbeing of the students. The Institute follows eco-friendly campus by not allowing motor vehicles into the campus once in a week. waste management is carried out meticulously by disposing all the trash into the dustbins,composte pits and recycle bins. 5. Obstacles faced if any and strategies adopted to overcome them: There was no major obstacle in practicing swachh campus. 6. Impact of the practice: Evidences of success of this practice during 2021-22: ? Through Swachh Campus, all the students and faculty enjoys fresh air by reducing the pollution in the campus. ? Dur to the water management facilities,there is no scarcity of water in the institute. ? The college runs on complete solar power. ? By implementing the Swachh campus, the staff and students learnt how to incorporate with eachother which is also a useful lesson for all. 7. Resources required : No extra resources are required. À Best Practices: 2 Title of the practice: Eco- friendly campus Objectivesof the practice : ? To make a pollution free campus. ? Environmental protection. ? To encourage environmental consciousness among the employees and students. ? To decrease the effect of all our activities on our surroundings. ? To use cutting-edge gear and technology. ? To promote the reduction of motors in the campus. ? To make use of clever work via technology ? Waste Management is practised along with a plastic free campus. Context: ? The Institute goals at merchandising a society which cares to protect, retain and conserve. ? The institution takes the initiative of going eco-friendly for a change, for better improvement to see in the campus . ? The Institute implements many methods to make the campus air pollution free and also eco friendly. ? The Institute encourages environmental awareness amongst the employees and the students via plantation, paperless office, vehicle free zone, use of LED bulbs, waste management, plastic free campus etc. The Practice : The institute is enforcing and following an eco-friendly environment in the campus. College campus is a lush-green campus with a massive number of plantations. College is following a slogan of 'Go green' for this the organisation is planting the saplings to make the campus green. With the collaboration of NSS, the college not only follows the plantation outside the campus but does the plantation inside the campus as well. To limit the pollution and to increase the greenery in the university we are going with the plantation. The institution is following automobile free zone machine in the campus. Every week one day is viewed as vehicle free day, vehicles are prohibited in the campus .This aims at pollution free campus .Bicycles are used in the campus by the students ,teaching and non instructing body of workers of the college to decrease the pollution in the campus and to improve the fitness condition of everyone. College buses are additionally stopped at the entrance and the students and staff will attain the destination by means of walk. Usage of plastic is strictly prohibited in the campus. The institute has a very keen eye on the usage of plastic in the campus. It was strictly advised that the use of plastic must be totally averted in the campus. Even in the canteen plastic covers, plates and cups are strictly prohibited in

the campus. Plastic is greatly hazardous for the society. To minimise the impact of plastic in the nature the institute is boycotting the plastic and making the campus plastic free campus .The university is making use of technological know-how in a clever way by means of making use of it by reducing the utilisation of paper . Paperless office is the cause of institution to limit the waste usage of paper in the university and to make the work effortless and smart. The organisation is not solely making use of technology, it is attempting to keep away from the extra utilisation of paper. Decentralised waste management policy is adopted via the university to make use of the wastes like solid, liquid, and e-waste which is available in the college .The institute is trying to reduce the waste. At present, the waste which comes from the canteen and other sources are used for making manure to the vegetation and the e-waste is used in the workshops. The rain water is used in the college in a significant way through storing the water in the pits for future use .The ultimate water is directed toward the plants through small channels from the tanks and the water sources. Problems Encountered There are not many problems faced by the college .But more motivation is needed to mould the students to work voluntarily. More pa Remedial Coaching Classes Objectives ? To promote academic excellence in the areas of student choice . ? To design a curriculum to cater to the slow and average learners to complete the course through systematic work. ? The college is conducting remedial classes to see and find out the different problems the students are facing some may have poor memory, poor level of motivation, and short span of attention in associated behavioral problems. ? To overcome the difficulties we aim at remedial classes and see that teacher who is assigned see to understand them thoroughly, the strengths and weaknesses of their pupils so that appropriate teaching approaches can be adopted to meet their individual needs. CONTEXT The ultimate aim of remedial teaching is to help the students who have fallen behind to learn to the best of their ability and to bring them back into the mainstream classes as far. Practice The institution is conducting the remedial classes for the students with less exposure to good academics and for those from poor background . These classes conducted for all the branches specially to improve their skills. A faculty each from the respective department is identified and a specific day of the week is identified for the respective subject after class hour . Practice The college makes the needy students especially from first year to get adapted to the demanding academic environment of the institute. This includes initiatives that help teachers achieve their mission, and encouraging them to innovate and to support improvements to student learning and adopt a learner oriented focus. The faculty coordinates the course and is assisted by the remaining faculty and senior students of the relevant subject . Every teacher who are teaching the subject are taking individual student responsibility to achieve the better success in their academics. Through constant checks the tutor observes and notices the most learning difficulties of students in remedial classes and also encounter relative to the context where the learning is taking place, such as the family background of the student, the physical and learning environment and the pupils` peer groups. The faculty member understand thoroughly the strengths and weaknesses of their students and see that appropriate teaching approaches are adopted to meet their individual needs. Ultimately the student improves both academically and psychologically. Problems Encountered We have students from various academic backgrounds and from semi urban places. Students of this category are not interested towards the remedial classes but the teachers are motivating the students in respective aspects and getting successful in it . Resources Required Future resources are required to meet the needs of the students More time is needed to counsel the students. Support from the students is required. Evidence of success: For some time, it has been observed that not only the number of entry-level students who fail in subjects has greatly reduced, but the number of dropouts has also greatly decreased, because of early academic and spiritual support, especially students

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

https://aietta.ac.in/iqac/Best%20Practices%202018-19.pdf

7.3 – Institutional Distinctiveness

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

Student Mentoring and Counseling system Objectives ? To get the better result . ? To develop them holistically . ? To Orient them towards quality education . Context The college follows a strong mentoring and counseling system to achieve the best results through improving the students. This system helps the students to solve the problem during their course of study. The counselor has the goal of understanding the behavior, motivations and feelings of the students. Practice The mentor plays a major role in this counseling system . The faculty members in every department acts as a mentor as well as a counselor for the students. This makes the mentor to understand the student in a better way to get the best result. The students are counseled with respect to the level of understanding of each subject in the class, his seating arrangement in the class 1st/2nd/3rd row, his friends circle, habits, family background and personal details. This makes the teacher and student to develop good relationship in healthy atmosphere. The allotted students are always under the guidance of the counselor to develop desirable behavior in the campus. The student is monitored both academically and extracurricular activities . The attendance percentage of each students is continuously monitored and messages are sent to parents for information regarding the attendance Regular intervals of meetings are conducted by the Head of the department with the parents to develop positive nature among parents ,teachers and students . His/her academics performance weekly test marks, Mid-marks are also messaged to the parents to their registered mobile number . Our mentors help to resolve and avoid potential problems and also help the students to bloom and realize their true potential . Decision making, modification of behavior are thoroughly monitored and the faculty try to develop these goals in the students. Problems Encountered We have students from various academic background and from rural ,urban and semi urban places . Culture is another factor that the teacher counselor faces. The counselor has to understand each and every community and the way of life to handle the students comfortably despite of their cultural background. It`s a time taking process to motivate the students in all aspects. Evidence of success: The student's attendance is improved by introducing this system in the college. Late comings are reduced and the overall performance of the student is increased. Academic performance is increased gradually. Mental health of the students is gradually developing in positive way which is shown through their participation in various activities. It is identified that through the counseling the students claim that when the student reaches positive mental health one learns to adjust and responsive more positively to people and situations Positive nature is developed among the students with the healthy atmosphere. Healthy and friendly relationship is developed between the student and the faculty .Mutual relationship is developed with the parents students and the faculty members.

Provide the weblink of the institution

http://www.aietta.ac.in/iqacabout.php

8.Future Plans of Actions for Next Academic Year

Future Plans of Action for the Next Academic Year FUTURE PLAN OF ACTION 2020-2021 To Prepare an Institutional academic plan for odd and even semesters

comprised of all the curricular, co-curricular, extra-curricular and extension activities 1. To collect feedback from students on 21 quality parameters related to curriculum, teaching, learning and evaluation processes. 2. To collect feedback from parents, employers and alumni. 3. To encourage meritorious faculty by the distribution of awards with silver medals, cash prizes and certificates by management in Teacher's Day celebrations. 4. To encourage students, awards will be issued to the meritorious students with the presentation of medals, prizes, cash awards along with merit certificates on the Graduation day celebration. 5. Conduct quality awareness campaigns 6. Continue the best quality initiatives 7. Conduct workshops on the latest and updated topics 8. Conduct seminars on technical skills 9. Conduct Campus Recruitment Training classes from II B.Tech onwards and also for I and II MBA students 10. Conduct one or two Faculty Development Programmes 11. Conduct Coaching for Competitive examinations i.e GATE, CAT. GRE and PGCET to outgoing students 12. Conduct skill development programmes through C.M's Skill Excellency Centre in association with APSSDC APITA, NITs, IITs and professional bodies 13. Conduct extension activities like celebrations of International and National days, Mega blood donation camp, Swatch Bharath, NSS activities with monthly themes like No plastic usage, Road safety, anaemia, cancer awareness etc, special camps at adopted villages, Music classes, Dance classes etc., 14. To improve the teaching pedagogy through Information and Communication Technology (ICT) 15. To improve innovative projects 16. To concentrate on Research and Development activities like paper presentations and publications in reputed journals, patents and consultancies 17. To expand the activities as student-centric in all the Departmental clubs 18. Conduct the departmental Level activities and tech fests 19. Conduct Fresher's Day, valedictory day and college annual day tech Fests, Engineer's Day and Graduation Day celebrations and also plan to conduct youth festival.