



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr S N V GANESH
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08922245077
Mobile no.	8978402146
Registered Email	principal@aietta.ac.in
Alternate Email	principal_q7@rediffmail.com
Address	Avanthi Institute of Engineering and Technology, Cherukupalli(V), Near Tagarapuvalasa Bridge, Bhogapuram(M), Vizianagaram Dist. Andhra Pradesh.
City/Town	Vizianagaram
State/UT	Andhra Pradesh

Pincode	531162																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Mr Y RAMESH KUMAR																		
Phone no/Alternate Phone no.	08922245077																		
Mobile no.	9704755529																		
Registered Email	yrameshkumar123@gmail.com																		
Alternate Email	rameshkumar123y@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.aietta.ac.in/iqacabout.php">http://www.aietta.ac.in/iqacabout.php</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.aietta.ac.in/academic-calendar.php">http://www.aietta.ac.in/academic-calendar.php</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>3.0</td> <td>2018</td> <td>26-Sep-2018</td> <td>25-Sep-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	3.0	2018	26-Sep-2018	25-Sep-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B++	3.0	2018	26-Sep-2018	25-Sep-2023														
<b>6. Date of Establishment of IQAC</b>	16-Jun-2014																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															

Regular meeting of IQAC is arranged.	04-Jun-2018 01	21
Regular meeting of IQAC is arranged	10-Oct-2018 01	18
Regular meeting of IQAC is arranged	12-Dec-2018 01	17
Regular meeting of IQAC is arranged	04-Feb-2019 01	17
Regular meeting of IQAC is arranged	02-Mar-2019 01	18
Regular meeting of IQAC is arranged	15-Apr-2019 01	177
Job Mela 2018	15-Sep-2018 02	796
Skill Development - Dasult Lab	01-Aug-2018 01	36
NSS(Adopted Village-Annaram)	01-Oct-2018 01	56
Feedback from stakeholders	05-Nov-2018 03	1489
No Files Uploaded !!!		

**8. Provide the list of Special Status conferred 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
Institute	PMKVY	AICTE	2018 01	204590.5
No Files Uploaded !!!				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	2
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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

Faculty members obtained NPTEL Certificate Course. Encouraging faculty to publish research papers in reputed journals by offering incentives.

Encourage student clubs such as Aalap, Catch Code are started and managed by students themselves.

Student Toppers are ablazed with appreciation letters and motivational books are given as a token of appreciation. Gate classes for students inside the campus.Company specific training for students before every drive.

Regular conduction of Motivational Lecturer and Industry Interaction, MOUs with ICT Academy and other industries.

Remedial classes for slow learners to enhance skill competence.

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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
Developing documentation Standards	Documentation standard for monthly report has been developed
Sending important notifications to all stakeholders of the college through SMS. Important notifications are also displayed at different locations of both the campus and also through digital display. Better intimation of notifications to all teaching, non teaching staff of the college and the students.	Daily SMS Sent to parents on absentee. Important and urgent circulars
Diagnose the weak area of the students by the Departments and provide Remedial classes.	Students are able to clear backlogs.
Offer Value added courses	certification programs are conducted on latest technologies for the benefit of the students
Improve CoCurricular Activities	Workshops, seminars, industrial visits, soft skills development programmes, communication skill development programmes are organised regularly
Submission of research proposal to external funding agencies.	Four Research proposals submitted
Patent publications	Applied
Monitor Teaching Learning process	Continuing the practice of conducting Academic Audits at the middle and end

	of the every semester.
Conducting Faculty Development Programs on Emerging technologies.	Faculty development Programs are organised
Extent of financial support to the faculty members	Faculty members are provided with financial support to attend FDPs, Workshops, Conferences, Certifications programs, Publications etc.,
Communication with Parents	Letters with particulars of Attendance Percentage, Midexam marks, SGPA and Backlogs have been sent. Individual parent login has been provided to ERP portal for transparency.
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	29-Dec-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	24-Aug-2018
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	01-Feb-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	All basic information is being assimilated and distributed through electronic software
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## 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

Avanathi Institute of Engineering and Technology, Cherukupally, established in 2005, is one of the premier technical educational institutions in AP. The institution is approved by AICTE, New Delhi & Permanently Affiliated to JNTUK,

Kakinada. Our college is an affiliated college. We follow the curriculum as prescribed by the university with utmost care and diligence. Some of the senior professors of our college are members of professional committees for some affiliated colleges and they provide their useful suggestions to the university and they also provide their useful suggestions related to curriculum in the BOS meetings of their respected departments. The Academic calendar of the Institution is unique of its kind. Various co curricular and extra-curricular activities are planned during the semester / year, not disturbing the university calendar. Course files which include lesson plans, notes, question banks, etc are prepared by the faculty members for all subjects before the commencement of the semester. The Departmental committee meets twice in a month to review the coverage of syllabus, and to identify the lapses for the effective implementation of any activity to be planned. To enhance learning standards, weekly tests are conducted on a regular basis to evaluate the performance of the student and effective measures are thus implemented. We have a very rich central library with open access system and many departments have their rich Departmental libraries too for the benefit of the students. A good number of Journals are subscribed by our college. e-books and e-journals facility is available for teachers and also for the students. Students are encouraged to comprehend latest tools and techniques to analyses, design and develop novel systems and products for real life applications and also for Innovative projects to enhance the practical knowledge. Student counseling system is another effective criterion observed efficiently in the Institution. Conduction of Faculty Development Programs on a regular basis is another asset to the Institution. Institution organizes Guest lectures by prominent personalities from various institutions like IIT,NIT etc., and also from the industry, to help the faculty know the latest developments in their areas of specialization. Faculty members are encouraged and sponsored to attend seminars, workshops and guest lecturers organized in premier institutes like IITs, NITs etc.

#### 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
STAD PRO	B.TECHCIVIL	16/07/2018	6	YES	YES
RSGIS	B.TECHCIVIL	25/09/2018	6	YES	YES
AUTO CAD	B.TECHCIVIL	28/01/2019	7	YES	YES
TOTAL STATION	BTECHCIVIL	04/02/2019	7	YES	YES
PLC SCADA	BTECHEEE	17/07/2018	7	YES	YES
SMART GRID	BTECHEEE	17/07/2018	7	YES	YES
PCB DESIGN	BTECHEEE	04/12/2018	7	YES	YES
MATLAB	BTECHEEE	07/12/2018	7	YES	YES
MATLAB	MTECHEEE	29/10/2018	7	YES	YES
DASSUALT	B.TECHMECH	06/08/2018	15	YES	YES
ANSYS	BTECHMECH	16/08/2018	6	YES	YES
NDT	BTECHMECH	06/12/2018	6	YES	YES
CFD	MTECHMECH	29/10/2018	6	YES	YES
PLC/SCADA/DC S	BTECHECE	14/08/2018	6	YES	YES

TANNER TOOLS	BTECHECE	02/09/2018	6	YES	YES
COMPUTER NETWORKING SECURITY	BTECHECE	28/08/2018	6	YES	YES
MENTOR GRAPHICS	MTECHECE	14/08/2018	4	YES	YES
ANDROID	BTEHCSE	03/08/2018	10	YES	YES
PYTHON PROGRAMMING	BTEHCSE	05/07/2018	10	YES	YES
BIG DATA	BTEHCSE	10/09/2018	10	YES	YES
BIG DATA	MTEHCSE	22/10/2018	9	YES	YES
TALLY ERP 9.0	MBA	06/08/2018	4	YES	NO
R IC	BTECHMECH	04/02/2019	6	YES	YES

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		

### 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
BTech	CIVIL EEE MECH ECE CSE	11/06/2018
Mtech	PS PE CSE CAD-CAM VLSI	29/10/2018
MBA	MBA	13/08/2018

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

	Certificate	Diploma Course
Number of Students	873	203

## 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
ENGLISH COMMUNICATION SKILLS LAB I	11/06/2018	235
ENGLISH COMMUNICATION SKILLS LAB II	05/11/2018	235
IPR AND PATENTS	11/06/2018	422
Professional Ethics Human Values	19/11/2018	422
CRT	11/06/2018	843

### 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	EEE	36
BTech	CIVIL	40
BTech	MECH	163
BTech	ECE	36
BTech	CSE	44
MBA	MBA	81

## 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

The feedback is collected by the Internal Quality Assurance Cell (IQAC). The institution has established a system of collecting feedback from the students in all courses twice in a semester. Generally, after 1 month of the beginning and at the end of every semester. The feedback has been collected through the online system by a defined in built feedback forms where students can respond towards the structured questionnaire regarding the key elements i.e. communication, number of examples quoted, behavior in class, teaching methodology and so on. Feedback analysis: Once feedback is collected it will be under the process of the faculty performance through some standard statistical tool applications. The collected feedback is analyzed by the IQAC and a detailed report is submitted to the principal. Rewards/Corrective Measures: The faculty is called to have a discussion about feedback with the HOD and Principal for the betterment in their performance. The best performed faculty members are encouraged with appreciation. Members of the faculty, whose performance is poor, are advised based on their weak areas by HOD and Principal. The faculty members are encouraged to participate in various Workshops/Seminars/ Conferences/ Training Programs/FDPs to enhance their skills. The institution organizes faculty development programmes regularly for improving their knowledge and teaching skills. The faculty who performs extremely well is requested to conduct Faculty Development Programmes and participate in Research Development work. The feedback from different stakeholders (student, Teachers, Employers, Alumni, and parents) is collected during customary gatherings of these groups. The regular feedback from different stake holders is gathered for the audit in the review of the department academic committee meetings. By combining the suggestions given by all the stakeholders regarding curriculum and its effectiveness in terms of industry needs are fused in the educational programs process. Based on the recommendations of review committee, the DAC gives the suggestions for modifications to the program curriculum. In curriculum design, core electives, professional electives and open electives are added based on the recommendations of stakeholders. The consolidated selection of all courses will



be chosen based on components of recommendations given by AICTE and DAC accordingly designs and implements the curriculum.

## 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	16	16
BTech	EEE	60	26	26
BTech	MECH	180	62	62
BTech	ECE	120	47	47
BTech	CSE	180	114	114
Mtech	PS	18	11	11
Mtech	PE	18	7	7
Mtech	VLSID	18	10	10
Mtech	CADCAM	18	16	16
Mtech	CSE	18	15	15
MBA	MBA	120	96	96

### 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
2018	1609	226	143	29	172

### 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	Number of smart classrooms	E-resources and techniques used
172	150	16	16	2	6

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

The Institute has established a systematic mentoring process. As a part of this process counseling is offered to a group of 20 students by faculty mentor. Students are observed with regard to their attendance, performance and behavior and subsequently counseled by a mentor. A record of the counseling will be maintained in mentoring register and register maintained by the concern faculty. Every student will be counseled at least once by the faculty counselor every semester. Issues which can be resolved at the faculty level would be taken care off and those beyond their capability will be referred to higher authorities for resolutions. The purposes are as follows: 1. To maintain the spirit of teaching learning process at par with others 2. To assist them in pursuing their goal 3. To prevent the cases of detention because of lack of attendance or dropouts.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1845	172	1:20

## 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
172	172	0	32	22

### 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
2018	Dr A Chandra Sekhar	Professor	Best Faculty award

## 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	BTECH	SEMESTER	21/05/2019	16/07/2019
Mtech	MTECH	SEMESTER	13/08/2019	02/11/2019
MBA	MBA	SEMESTER	17/05/2019	10/07/2019

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

The faculty evaluate the levels of examination questions set by the university for Semester End Examination and identify the gaps to be made up to meet the requirements of Course Outcomes (COs). The gap is made up through the internal assessment tests where the questions are set at different levels of Bloom's Taxonomy. 2)Also the faculty in each subject supplement the content together with assignments to be completed by students to augment the prescribed syllabus so as to meet the requirements of Program Outcomes (POs). Hence a continuous effort is being exercised to add value to our students and prepare them to meet the current needs of the industry.3)To administer uniformity for conduct of internal assessment tests which incidentally would be accountable for measurement of CourseOutcomes attainments and hence Program Outcome attainments, a system akin to conduct of university semester end examinations has been implemented in this academic year.

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

An academic calendar is prepared by the designated coordinator at the beginning of odd and even semester. This includes the academic activities at the college level. The draft calendar is discussed in HOD's meeting and all the suggestions which are approved in the meeting is incorporated before releasing the calendar

to all departments by the principal. All the internal assessment tests are conducted centrally as per the academic calendar. Formative and summative feedback is administered as per the schedule. All other activities like Scholarship award function, Cultural day, Project Exhibition etc. are celebrated as per the plan. In case of any eventuality/emergency a particular event may be rescheduled with the permission of the head of the institution

## 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)

<http://aietta.ac.in/ece.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
02	BTech	EEE	46	35	76
03	BTech	MECH	166	125	75
04	BTech	ECE	109	77	71
05	BTech	CSE	141	121	86
PS	Mtech	PS	11	7	63.6
PE	Mtech	PE	2	1	50
VLSI	Mtech	VLSI	7	4	57
CADCAM	Mtech	CADCAM	14	9	64
CSE	Mtech	CSE	10	6	60
MBA	MBA	MBA	91	74	81.72
01	BTech	CIVIL	47	35	74

## 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)

<http://www.aietta.ac.in/>

## 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
Minor Projects	60	MSME	0.3	0.3
Minor Projects	60	NRDC	0.2	0.2
Industry sponsored Projects	90	Equipments Spares Engineering Pvt.Ltd.	0.5	0.5
Industry	90	Sri Srinivasa	0.2	0.2

sponsored Projects		Sheet Metal Works		
Industry sponsored Projects	90	Hobbypep	0.3	0.3
Industry sponsored Projects	90	Sri Srinivasa Sheet Metal Works	0.3	0.3
Industry sponsored Projects	90	Electronic Systems and Services	0.6	0.6

### 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	MECH ECE CSE EEE CIVIL MBA	18/02/2019
ENTREPRENEURSHIP DEVELOPMENT	MECH ECE CSE EEE CIVIL MBA	13/12/2018

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	Mrs. N Harini	AIET	05/09/2018	CSE
Best teacher award	Mr Ch Kodanda Ram	AIET	05/09/2018	CSE
Best Teacher Award	Mr. V Murali Krishna	AIET	05/09/2018	CSE
Best Teacher Award	Mr.V.Sudhakar	AIET	05/09/2018	EEE
Best Teacher Award	Mr.D.Dhana Prasad	AIET	05/09/2018	EEE
Best Teacher Award	Mrs. M.Himangeswari	AIET	05/09/2018	CIVIL
Best teacher award	MrS. K.Gayatri kiran	AIET	05/09/2018	CIVIL
Best teacher award	Mr. G.ParthaSardhi	AIET	05/09/2018	CIVIL
Best teacher award	Mr. B.Teena Ratna Prasuna	AIET	05/09/2018	ECE
Best teacher award	Mr.K Avinash Kumar	AIET	05/09/2018	ECE
Best teacher award	Mrs. K Syamala	AIET	05/09/2018	ECE
Best Teacher Award	Ms. M L Sramika	AIET	05/09/2018	MECH

Best Teacher Award	Mr. SK Sharif	AIET	05/09/2018	MECH
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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	03/10/2018

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

#### 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)
International	EEE	1	5.89
International	MBA	3	2
International	CSE	8	2
International	ECE	4	.13
International	MECH	5	3

#### 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
No Data Entered/Not Applicable !!!	

#### 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
Fuzzy Based Model Predictive Load Frequency Control of MultiArea	V.Sudhakar	JETIR	2019	0	AIET	0

Power System						
FDI FII role in the economic growth in the country	J Sowmya	IJBMAS	2018	0	AIET	0
Casual relationship between gold price census	J Sowmya	IJMTE	2018	0	AIET	0
Markets , advertisement publicity (MAP) Creates utility as services or products ( USP)	E Devasree Rao	IJMTE	2018	0	AIET	0
Performance Analysis of an Energy Efficient level shifter using Mtcmos Technology	Mrs. B. Teena Ratna Prasunna	IJAST	2019	0	AIET	0
Implementation of Low Power Successive Approximation Register Analog to Digital Converter	Mr. P. Santosh Kumar	IJAST	2019	0	AIET	0
Performance comparison of Full Adders Design in different Nanometer scaling Technologies	Mrs. S. Santhoshi Bhavani	IJAST	2019	0	AIET	0
Johnson	Mr. K.	IJAST	2019	0	AIET	0

Counter using optimized Master slave DFlipflop	Avinash Kumar					
Fuzzy Based Model Predictive Load Frequency Control of MultiArea Power System	D.Dhana Prasad	JETIR	2019	0	AIET	0
Fuzzy Based Model Predictive Load Frequency Control of MultiArea Power System	B.AnandSwaroop	JETIR	2019	0	AIET	0
Survey on Prediction of health diseases using classification techniques	N Harini	IJIRSET	2018	0	AIET	0
Survey on Prediction of health diseases using classification techniques	Ch Kavita	IJIRSET	2018	0	AIET	0
Analysis of various Data Mining Techniques: A Survey	K S Rupa	IJIRSET	2018	0	AIET	0
Performance Evaluation of Fine Grained and Secure Data Sharing method of E health	V Murali Krishna	IJRAR	2018	0	AIET	0

records on a Real time cloud server.						
Mechanical Behaviour and Analysis of Okra and Pineapple Reinforced Composite Materials	Ramu Garug ubilli	IJET	2019	0	AIET	0
Mechanical Behaviour and Analysis of Okra and Pineapple Reinforced Composite Materials	V . Pradeep Kumar	IJET	2019	0	AIET	0
An Experimental Study on Mechanical Behaviour of Pulsed Current Welding on Aluminum Alloy Joints	G RAMU	Trans Tech Publications Ltd. ,	2018	0	AIET	0
An Experimental Study on Mechanical Behaviour of Pulsed Current Welding on Aluminum Alloy Joints	M. Lakshmi Sramika	Trans Tech Publications Ltd. ,	2018	0	AIET	0
An Experimental Study on Mechanical Behaviour of Pulsed Current Welding on Aluminum Alloy	V . Pradeep Kumar	Trans Tech Publications Ltd. ,	2018	0	AIET	0



Joints						
Lvague semirings on 1 semiring	B Najeswar rao	IJMTT	2018	0	AIET	0
Homomorphism of LVague semirings of L semiring	B Najeswar rao	IJSET	2018	0	AIET	0
lvague normal semiring of 1 semirings	B Najeswar rao	IJSET	2018	0	AIET	0
WEAK RELATIVE COMPLEMENTS IN ALMOST 5 DISTRIBUTIVE LATTICES	G JOGA RAO	DMGAA	2018	0	AIET	0

### 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
<b>No Data Entered/Not Applicable !!!</b>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	57	0	0

## 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	20	220
INDEPENDENCE DAY	NSS	68	200
TEACHERS DAY	NSS	74	990
VANAM MANAM	NSS	20	250
FOUNDATION DAY	NSS	5	70

GANDHI JAYANTHI	NSS	5	64
NON VIOLANCE DAY	NSS	5	72
OLD AGE HOME	NSS	6	20
VOTERS DAY	NSS	5	68
ENGINEERS DAY	NSS	81	1200
REPUBLIC DAY	NSS	72	230

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	20
Blood Donation Camp	Appreciation	Indian Red Cross Society	360
4Stroke S.I Engine Monowheel Vehicle	GOLD MEDAL	Jana Vignana Vedika AU	5
Awareness Program on Plantation and Open defacation in India	Appreciation	Government Z.P. High School, Chittivalasa	150

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	AVEV	SWACH BHARATH	5	70
Outreach Activity	AVEV	SERVICE TO PUBLIC DURING GIRI PRADHARSANA	5	70
Outreach Activity	AVEV	WORLD ENVIRONMENTAL DAY	5	70

### 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
<b>No Data Entered/Not Applicable !!!</b>			

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
Field Trip	Field Trip	TLSS divison 220KV Substation AP Transco Gajuwaka ,Vskp	08/02/2019	08/02/2019	56
Field Trip	Field Trip	TLSS divison 220KV Substation AP Transco Pendurthi ,Vskp	18/02/2019	18/02/2019	44
Field Trip	Field Trip	10 MW Solar Power Plant,Vskp	01/03/2019	01/03/2019	56
Field Trip	Field Trip	10 MW Solar Power Plant,Vskp	04/03/2019	04/03/2019	44
Field Trip	Field Trip	TLSS divison 220KV Substation AP Transco KALAPAKA Parvada ,Vskp	12/02/2019	12/02/2019	49
Field Trip	Field Trip	NTPC power corp. Parvada, Vskp	12/09/2018	12/09/2018	44
Expert lecture	Electrical Operation and Maintenance in Industries	Mr.Srinivas Rao DGM,NMDC ,Jagadapur	07/03/2018	07/03/2018	85
Expert lecture	Power semico nductor drives and Control	Mr.K.Siva Kumar AssocP rof,Dept of EEE IIT Hyderabad	29/12/2018	29/12/2018	135
Internship	Electrical Operations in Thermal Power Plant	NTPC, Regional Learning Institute, Vskp	18/06/2018	29/06/2018	7
Internship	Substation operation	AP TranscoGa juwakaSubsta	29/04/2019	08/05/2019	10

	Maintenance	tion,Vskp			
Internship	Operation in Hydel Power Plant	Hydel Power Plant, Seeleru	22/04/2019	04/05/2019	7
Internship	Substation operation Maintenance	APEPDCL,Simh achalamSubst ation,VSkp	05/11/2018	13/11/2018	50
Field Trip	Field Trip	NTPC, Visakh apatnam	10/09/2018	14/09/2018	146
Field Trip	Field Trip	HPCL , Visak hapatnam	18/02/2019	20/02/2019	140
Field Trip	Field Trip	APSRTC Zonal Workshop , Vizianagaram	17/12/2018	22/12/2018	131
Field Trip	Field Trip	Hindustan Shipyard Ltd	11/08/2018	25/08/2018	166
Field Trip	Field Trip	FACOR Alloys Pvt Ltd, Vizianagaram	10/12/2018	12/12/2018	154
Field Trip	Field Trip	Hobel Bellows Co , Visakhapatna m	25/02/2019	27/02/2019	156
Internship	Study of Blast Furnace Area	Vizag Steel Plant , Visa khapatnam	16/07/2018	27/07/2019	10
Internship	Study of Coke Oven Plant	Vizag Steel Plant , Visa khapatnam	09/07/2018	21/07/2018	10
Internship	Study of WRM Plant	Vizag Steel Plant , Visa khapatnam	09/07/2018	21/07/2018	10
Internship	Study on Petroleum Processing Plant	Hindustan Petroleum Corporation Ltd , Visakh apatnam	15/06/2018	30/06/2018	20

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
MATCHWELL TECHNOLOGY SOLUTIONS	25/07/2018	MATLAB PCB DESIGNING PLC SCADA	139
TECHNOSOFT SOLUTIONS	26/07/2018	SMART GRID MATLAB	62
ENGINEERING HUB	18/06/2018	GATE COURSE	75

BABA INSPECTION TECHNICAL SERVICES PVT. LTD	03/09/2018	NDT TRAINING WORKSHOPS	140
Shriram Value	05/12/2018	Employment	30
BENCHMARK ENGINEERING SOLUTIONS	10/09/2018	TRAINING ON PROE AND ANSYS	135
V Mould Centre of Excellence	20/07/2018	CNC Training Workshops	140
ABACUS INFRA	18/03/2019	Employment	30

## 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
136.25	142.75

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	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 Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Newly Added

### 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
SOUL2.0	Fully	2.0	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	27927	5971471	650	293743	28577	6265214
Reference Books	6780	1450920	83	42745	6863	1493665
e-Books	2789	13570	1760	70800	4549	84370

Journals	86	349820	14	49500	100	399320
e-Journals	2204	13570	3580	79216	5784	92786
CD & Video	829	20500	1428	6725	2257	27225
Weeding (hard & soft)	682	205789	174	60030	856	265819

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
Dr G R S Murthy	Color Model	LMS	10/09/2018
Y Ramesh Kumar	Python OOPs and TKinter Packages	LMS	28/08/2018

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	480	6	1	1	1	25	15	64	0
Added	60	0	0	0	0	0	0	0	0
Total	540	6	1	1	1	25	15	64	0

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

64 MBPS/ GBPS
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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
ASDC	<a href="http://aietta.ac.in/elearning.php">http://aietta.ac.in/elearning.php</a>

#### 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 facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
299.75	289.39	97.65	95.25

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 sufficient auditorium having adequate infrastructure like ICT class rooms and central library. The college has adequate number of computers
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with internet connections and the utility software distributed in different locales like office, laboratories, library, departments etc. The Central Library has developed with an excellent collection of books, journals and nonbook materials in Engineering, technology, humanities and management. It maintains 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 data base 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 Authors name, title, subject, and keywords available on the campus LAN. A separate wing is provided for competitive exam books.

<http://www.aietta.ac.in>

## 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 SCHOLARSHIP	924	11701000
Financial Support from Other Sources			
a) National	0	0	0
b) International	0	0	0

#### 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 implementation	Number of students enrolled	Agencies involved
Guidance for competitive examinations	02/07/2018	1129	AVANTHI INSTITUTE OF ENGG AND TECH
Career Counseling	25/07/2018	1129	COIGN
Soft skill development	05/07/2018	1129	COIGN
Remedial classes	27/08/2018	2082	AVANTHI INSTITUTE OF ENGG AND TECH
Language lab	13/08/2018	263	AVANTHI INSTITUTE OF ENGG AND TECH
Bridge course	16/07/2018	102	AVANTHI INSTITUTE OF ENGG AND TECH
Yoga and meditation	10/09/2018	425	RISHI SAMSKRUTI VIDYA KENDRA
PERSONAL COUNSELLING	27/08/2018	456	AVANTHI INSTITUTE OF ENGG AND TECH

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

Year	Name of the	Number of	Number of	Number of	Number of
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	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2018	CRT	106	523	72	356

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
2	2	1

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
23	420	333	7	130	23

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	34	BTECH	ECE CSE EEE MECH CIVIL	GITAM, AU	M TECH, MBA

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	15
CAT	5
GRE	4
TOFEL	2
Any Other	46

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	270
AVANSIS 2K19	National Level	460
DAKSHITHA 2K18	National Level	330
TECHNIKA 2k19	National Level	346



Engineers Day Celebrations	Institute Level	95
EEE Day Celebrations	Institute Level	62
Induction Meet Celebrations	Institute Level	80
International Womens Day Celebrations	Institute Level	36
International Yoga Day	Institute Level	400
Avanthi Graduation Day Celebrations	Institute Level	146
Teachers Day Celebrations	Institute Level	80
Independence Day Celebrations	Institute Level	326
Republic day Celebrations	Institute Level	268
College Day Celebrations	Institute Level	463
CSE Day Celebrations	Institute Level	95
ECE Day Celebrations	Institute Level	76
Vidyuthotsav Day Celebrations	Institute Level	35
Mechanical Day Celebrations	Institute Level	134
Induction Meet For Management Celebrations	Institute Level	36
CIVIL Day Celebrations	Institute Level	46

### 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
2018	First Prize	National	1	0	17Q71A0112	K Srinivasa Rao
2018	Third Prize	National	1	0	17Q71A0112	K Srinivasa Rao

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 which work as well as concerns about issues which are negatively affects 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 examiners reports, teaching programme reviews. They also report back to their classmates and they share information about any action that is decided as 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 for future students. Training is provided to student representatives to help them in their role. Academic Administrative Bodies: Grievance Redressal Committee: The committee was formed to settle genuine grievances and to create a healthy relationship among the students in the campus. Few student representatives were identified in every department to find the grievances in their respective domains. 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 which work as well as concerns about issues which are negatively affects 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 examiners reports, teaching programme reviews. They also report back to their classmates and they share information about any action that is decided as 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 for future students. Training is provided to student representatives to help them in their role. Academic Administrative Bodies: Grievance Redressal Committee: The committee was formed to settle genuine grievances and to create a healthy relationship among the students in the 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 arrangement of industrial visits and placements to the students in their core subjects. Student members as the 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 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.

## 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 organize 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 Incharges 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 exstudents 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:

216

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

23500

5.4.4 – Meetings/activities organized by Alumni Association :

One Alumni Association meeting per year Executive body meetings - Two per year

## 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 institution has implemented participate administration. • All Departments designed and conducted Spaced Learning and Experiential Learning. • Each department creates positive cognitive, affective, and social effects on the learners to enrich the students • Various councils at institutional levels and departmental levels are liable for arranging and executing numerous operational systems in the organization. • The organization immovably accepts that accomplishment of value is each representatives the same old thing and everybody in the establishment has a stake in contributing towards accomplishment of greatness. • Every employee at all levels has a chance to contribute his/her creative thoughts prompting improved procedures and consequently greater outcomes. • This is accomplished through the advisory groups working at key (Principal), midlevel (HODs) and operational (Departments and cells) levels of management. • Administering body thinks about the suggestions of different Department Advisory Committees (DAC) College Academic Council (CAC) and it chalks out a guide to accomplish the objectives of the foundation College scholarly gathering is framed to examine the scholastic issues of the school. Individuals from the committee give their recommendations and headings for the smooth running of the college in academic perspective.

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
Curriculum Development	College is an affiliated college we follow the curriculum as prescribed by the university with utmost care and diligence. The Academic calendar is unique of its kind various co curricular and extra curricular actives

	are planned during the semester/year with out distributing the university calendar.
Teaching and Learning	Most of the faculty members use PPT's, case study, and practical in different labs for better understanding of subject content. Each department has its own infrastructure like eclassrooms. Most of the teachers used ICT facility for better communication and Understanding of subject content.
Examination and Evaluation	<p>1)The faculty evaluate the levels of examination questions set by the university for Semester End Examination and identify the gaps to be made up to meet the requirements of Course Outcomes (COs). The gap is made up through the internal assessment tests where the questions are set at different levels of Bloom's Taxonomy.</p> <p>2)Also the faculty in each subject supplement the content together with assignments to be completed by students to augment the prescribed syllabus so as to meet the requirements of Program Outcomes (POs). Hence a continuous effort is being exercised to add value to our students and prepare them to meet the current needs of the industry.To administer uniformity for conduct of internal assessment tests which incidentally would be accountable for measurement of Course Outcomes attainments and hence Program Outcome attainments, a system akin to conduct of university semester end examinations has been implemented in this academic year.Salient features of this process are: Two phases of evaluation Internal and External Distribution of marks 25 and 75 Assignments are evaluated as Internal evaluation Mini and Major projects are also evaluated on Internal and External basis.</p>
Research and Development	The Institute has established its exclusive research development centre with a view to promote research activity in all the Departments and to spread research culture among staff and students. The research policy of the institution is reviewed annually and published to all faculty. The policies revised are encouraging in terms of direction and research quality, reimbursement of expenses. Students in particular can work on current technology through miniprojects and

experiments in identified areas beyond the coverage of the syllabus thereby they acquire the knowledge/skill by doing. The miniprojects and the final year major projects are exhibited on a "Project Exhibition Day" every year. The alumni and industrialists are invited to evaluate the projects to reward the select projects.

Library, ICT and Physical Infrastructure / Instrumentation

All the Departments and all the computer labs are provided with internet facility. The college has more number of WiFi enabled zones. Each Department has an exclusive well equipped seminar hall and Eclassroom. Library is having interactive portal through which students and faculty members can access any required information. Availability of teaching aids like OHP, LCD projectors, Internet enabled computer systems. Availability of computer software packages for analysis and experimental work of the projects of the students. Faculty members prepare and upload the academic plan of their respective subject(s) on college portal which can be accessed by students of the respective class Many faculty members' gives assignments and tutorials online to the students along with the list of the topics covered in that particular unit and also hints to solve problems. Computer laboratory for first year students is being revamped with new computing systems and furniture. The computer Science Engineering department has been renovated with upgrade systems. A Language laboratory has been upgraded for practicing Communicative English during the academic year 201819. An Auditorium with all facilities has been constructed for the benefit of the students.

Human Resource Management

Motivating and facilitating the faculty members to participating various academic improvement courses. Encouragement important to faculty and students for research oriented actives and developing patents. upgrade of HR strategies and methods for the benefit of faculty and students. Periodical monitoring and maintain of grievance redressal cell, anti ragging committee, sexual harassment committee.

Industry Interaction / Collaboration

The institution continues to propagate industry connect through: 1) Technical

talks / Invited seminars 2) Industry visits / tours 3) Students' project work / internships 4) MOU(Memorandum of Understanding)

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

E-governance area	Details
Planning and Development	Implemented SMS system for the dissemination of information to all stakeholders. The well structure for delivering courses to attain course outcomes using ICT enabled methods. Econtent of various subjects dissimulated to students. Online feedback system provided for various stockholders for timely improvement and internal development.
Administration	ASDC Maintains organization record of all students,teaching nonteaching of the college. Notice display system implements students and other stockholders.
Finance and Accounts	The institution has been utilizing a skilled programming to keep up and deal with the inflow and outpouring of the accounts. Established fully computerized office and account section.
Student Admission and Support	ASDC maintains organization record of all students and faculties of the college. Implemented online CBCS semester information system UG/PG courses.
Examination	ASDC Maintains organization student results, exam seating plan generation, nominal rolls generation etc. Entry in service facility of competitive examinations for UG/PG students through college web portal.

### 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
2018	S.K.H. Shariff	Quality enhancement in curriculum design and development for higher education institutions	IAENG	1000

		REC		
2018	M. Lakshmi Sramika	Quality enhancement in curriculum design and development for higher education institutions REC	IAENG	1000
2018	P.P.Anil Kumar	Automobile technology and motorsports	IAENG	1000
2018	G.Ramu	Automobile technology and motorsports	IAENG	1000
2018	M.Madhu vamshi	Automobile technology and motorsports	IAENG	1000
2018	J Sowmya	International Conference on management, sciences, engineering and applications	ICMSEA	1500
2018	E. Devasree Rao	International Conference on management, sciences, engineering and applications	ICMSEA	1500
2018	N.Harini	A survey on prediction of health Diseases using Classification Techniques	IJIRSET	1000
2018	V.Murali krishna	Prevent security Mechanism alert by portable phishing Attack Tool	IJMTE	1500
2018	Ch.Kavitha	A survey on prediction of Health Diseases using classification Techniques	IJIRSET	1000
2018	D.Rupa Santoshi	Analysis of various Data Mining Techniques :A Survey	IJIRSET	1000

2018	A.Arjun Rao	Faculty Development Programme on MATLAB	Workshop	1000
2018	B.Anand Swaroop	Faculty Development Programme on MATLAB	Workshop	1000
2018	201819 G.Prasanth	Faculty Development Programme on MATLAB	Workshop	1000
2018	V.Sudhakar	Faculty Development Programme on MATLAB	Workshop	1000
2018	D.Dhana Prasad	Faculty Development Programme on MATLAB	Workshop	1000
2018	NVN Anusha	Faculty Development Programme on MATLAB	Workshop	1000
2018	Jhansi	Faculty Development Programme on MATLAB	Workshop	1000
2018	G.Harika Swetha	Faculty Development Programme on MATLAB	Workshop	1000

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)
2018	One week workshop on Amazon Web Services with Android		05/11/2018	09/11/2018	6	0
2018	5 Days National Level FDP on MAT lab		06/11/2018	10/11/2018	71	0



2018	FACULTY DE VELOPMENT PROGRAMME ON MATLAB ITS APPLIC ATIONS IN COMMUNICAT IONS		06/11/2018	10/11/2018	4	0
2018	FACULTY DE VELOPMENT PROGRAMME ON COMPUTA TIONAL FLUID DYNAMICS		13/11/2018	17/11/2018	10	0
2018	FACULTY DE VELOPMENT PROGRAMME ON INNOVATIVE TEACHING AND LEARNING M ETHODOLOGI ES TO CREATE INTEREST AMONG STUDENTS		03/10/2018	03/10/2018	4	0
2018	FACULTY DE VELOPMENT PROGRAMME ON OUTCOME BASED EDUCATION		24/04/2018	26/04/2018	55	0
2019	FACULTY DE VELOPMENT PROGRAMME ON OUTCOME BASED EDUCATION		30/05/2019	01/06/2019	55	0
2018	FDP on outcome based education		24/04/2018	26/04/2018	55	0
2018	Program on " Particip atory teaching method in Computer Science and Engine ering		08/12/2018	08/12/2018	8	0
2018	Outcome		24/04/2018	26/04/2018	6	0

	based Education					
2018	FDP on Com putational Fuild Dynamics		12/11/2018	17/11/2018	25	0

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
National Seminar on higher Education in India	2	30/01/2019	31/01/2019	2
RSGIS	4	25/09/2018	28/09/2018	3
Structural analysis	3	29/08/2018	31/08/2018	3
Geotechnical engineering	4	25/09/2018	25/09/2018	1
Case study on rehabilitation of structures	2	20/12/2018	20/12/2018	1
Python Django Web Development Short Term Course	1	15/10/2018	15/12/2018	60
FDP on Machine Learning	2	02/05/2018	15/05/2018	15
FDP on Heat Transfer Analysis	2	02/05/2018	16/05/2018	15
FDP on Electronic Devices and Circuits	2	02/05/2018	16/05/2018	15
FDP on Improve the teaching skill in Network Analysis	2	29/10/2018	02/11/2019	7

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
172	172	64	64

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF	PF	Group Insurance

**6.4 – Financial Management and Resource Mobilization**

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

The foundation has set up a framework to review all the budgetary exchanges by both interior examiners and evaluators of outside office. The books of records and the supporting confirmations are exposed to both inward and outside review. The inward review practices to screen money related administration of the establishment guarantee sound budgetary well being of the organization. Outer review completed guarantees all out consistence with statutory necessities and commitments. The outer review is completed semiannually. The last outside review has been finished up to 31st March and the inner review has been closed up to 30th September. There have been no major objections surfacing out of both internal and external audit.

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
Non Government Bodies	1.21	Sponsered student Education

6.4.3 – Total corpus fund generated

62500000
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**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	No		Yes	IQAC
Administrative	Yes		Yes	CAC

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

- Setting up of legitimate advising instruments like mentoring and counseling
- Support in extra curricular activities
- Out reach programs

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

- Technical workshop to conduct lab as and when the syllabus changes
- Refresher course on usage of software tools
- Personality development program

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

- Revised set of HR Policies for sourcing, recruitment, maintenance and retention.
- Renovation and addition of physical and IT infrastructure, modernization of existing laboratories and establishing new laboratories in line with industry's requirements, establishment of centers of excellence (research laboratories) to provide a platform for research for both students and faculty.
- Motivating and supporting entrepreneurial drive among students by establishing through student development center
- Student Clubs initiated in every department to enhance skills.
- Applied for Incubation Center to

government. 6) Applied for Establishment of Institution Innovation Counsel

#### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
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
2018	Establishment of Institute Innovation cell	01/11/2018	05/11/2018	10/11/2018	12
2018	R D Meeting	11/02/2019	13/02/2019	13/02/2019	20

### 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
Women Empowerment :Rhetoric versus Reality	21/08/2018	21/08/2018	50	45
2.Women Leadership Development	16/11/2018	16/11/2018	55	50
Gender Sensitization	28/01/2019	28/01/2019	53	61
Gender Champions	08/03/2019	08/03/2019	47	46

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
College has a rooftop solar power plant with install capacity of 200 KW. It generates 600 units per day and saves 50 of energy required for the campus. Save energy initiatives taken, switching off lights and fans in the class rooms in absence of the students. Plastic free environmental awareness campaign was conducted in the college campus

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1

Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	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
2018	0	1	05/06/2018	1	World Environment Day	Plantation	160
2018	0	1	28/07/2018	1	Awareness Programme	Ban the Polythene	120
2018	0	1	12/09/2018	1	Awareness Campaign	Wear the Helmet	150
2019	0	1	11/02/2019	1	Awareness Programme	Literacy Camp	145
2019	1	0	12/03/2019	1	Awareness Programme	Center to all the Major Cities	80
2019	1	0	30/03/2019	1	Awareness Programme	Easy Transport	110
2019	0	1	08/05/2019	1	Awareness Programme	On GST	130

#### 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	02/07/2018	Professional Values a part of curriculum in the campus. Professional Ethics and Human Values is a very relevant subject of today's environment of conflicts and stress in the profession with obligation to be met by one person in many directions. A formal study will certainly

improve one's ability and judgement and refine's behaviour, decisions and actions in performing the duty to the family, organization and to the society. Technology has got 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 in the campus in Professional Ethics.

Human Values and Professional Ethics

02/07/2018

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 that developed around the world. This forms the foundation for the value system in this country. It is inspiration from the past glory and great achievements. Professional Ethics as the personal and corporate rules governs 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
1. Tree Plantation Drive On World Environment Day	05/06/2018	05/06/2018	70
2. Independence Day Celebrations	15/08/2018	15/08/2018	200

3. Awareness Program on National Peace On The Occasion of Birth Anniversary of Mahatma Gandhi	02/10/2018	02/10/2018	180
4. Corruption Free India On International AntiCorruption Day	10/12/2018	10/12/2018	120
5. Republic Day Celebrations	26/01/2019	26/01/2019	250
6. Women's Day Celebrations	08/03/2019	08/03/2019	200
7. National Mathematics Day	22/12/2018	22/12/2018	350

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

1. Ewaste management: The Ewaste which is available in the campus like keyboards, monitors, hard drives, cables, printers IC'S PCB etc., is used in different ways Ewaste generated is utilized as study materials for students in computer lab under the supervision of faculty. The condemned batteries and damaged computers are disposed through outside agencies the low configured computers are donated to the nearby schools other ewaste materials are properly disposed Awareness programmers are initiated on ewaste management. 2. Rain water harvesting structures and utilization in the campus Response: The institution is increasing the ground level water through pits and we are using part of that that water for purification and also for drinking water and remaining to the plants. 1. Diversion of rain water accumulated on the roof top of a building through pipes into recharge pits designed at ground level just before rainy season. 2. Recharge pits have also been designed in the college campus for conservation of rain water. To limit the wastage of water assets and to enhance the ground water level, we are storing the rain water into water pit situated in the grounds in the campus The water saved through this method is directed to the plants through small channels for the growth of plants. This resulted in the growth of more plants in the campus and we made our campus green campus. With this we are trying to reduce the pollution in the campus through afforestation. 3. Plastic free campus: Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel Plates / leaf plates and steel cups or paper cups are mandatory. 4. Paperless office: The College has taken keen interest to make the office a paperless office. The accounts/office and academic information is stored and maintained through systems only The complete campus is Wi Fi enabled, making it much easier for paperless activities Even the official information and circulars are preferred to be sent only through mails. 5. Green landscaping with trees and plants: The institute has taken several measures for planting to make Green Campus. 50 of total area is covered with trees and lawns. A number of trees exist at different places in the college. Proper supervision is carried out by concerned authorities (switch off classroom power supply for fans and light points). Awareness programmes are conducted.

#### 7.2 – Best Practices

##### 7.2.1 – Describe at least two institutional best practices

1) Student Mentoring The Institute offers students services like counselling placement training support, personality grooming and Plant Visit / Corporate

Lectures / Summer Training / Seminar / Project Report / Continuous Evaluation/ Publication / Pre placement Talk / For final Placement. The institute undertakes to publish all the Research Articles presented in the conferences in the form of Book Proceeding. The institute every year National conferences. Further, student Information Bulletin familiarizes for various activities like rules regulations of the institute, academic calendar, alumni club, sports. Institute is committed to students and corporate partners and use technology in education as passion. We seek challenges, and pride ourselves on seeing them through. We hold ourselves accountable to our students, corporate collaborators, Board members, Statutory bodies, Alumni and employees by honouring our commitments, providing results, and striving for the highest quality excellence. Our college is known for transforming and empowering students who come from diverse backgrounds ranging from underprivileged sections to affluent ones. One of the best practices is of our college is "Growing Within: Nurturing the potential of students, enabling them, empowering them to carve their unique paths". It helps to facilitate selfgrowth, selfworth and actualization of potential of the students through myriad ways of empowerment and competence building. 2) Practices like experiential learning, using the method of powerpoint presentations to help them organize their thinking process and build professional skills, using audiovisual aides (such as screening of films and plays, displaying paintings, photographs etc.), holding talks by experts in certain given fields and promoting wellbeing through various activities a student centric, selfdirecting pedagogy. Through constructive feedback, open communication, inculcating a culture of critical thinking and holding an array of indepth discussions, the college has managed to uplift its most underprivileged members to be more selfreliant, career oriented and great leaders. The teaching culture here seeks to highlight and thereby have the students appreciate that the true essence of life lies outside the bounds of black and white, and in a wide varieties of shades. Practice such as appreciating text is to enable students to draw lifeworld reflected in the text. The students learn to think beyond rightwrong, profitloss, abnormalnormal, beautifulugly and start an educative experience on range not limited by these extremities. This is also possible through the individualized mentoring and counselling that the teachers provide to the students. Our college library with its varied collection of books, journals, magazines and eresources also opens a window to the wider world for the students

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

<http://www.aietta.ac.in>

### 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

Vision of the Institution is to develop highly skilled professional with ethics and human values. The Institution as never faltered in Inspiring the students in the pursuit of knowledge, values, and social responsibility. The Institute has built up its particular methodology towards this far reaching Vision by displaying it as administration to the general public, by methods for declaration courses or by enabling the understudies to compose occasions to build up their aptitudes, multidisciplinary venture improvement, Entrepreneurship advancement, Ethical and Human worth advancement. The Institution orchestrates aptitude improvement projects to build up their abilities for instance – Personality enhancement, Employability expertise advancement, Entrepreneurial advancement, Language expertise advancement and so forth., Students at the UG and PG degree courses take up Internships in enterprises and seek after their ventures which gives them hands on preparing



in their field of intrigue. ED Cell critically chips away at creating the energy in the youthful minds to deliver advancement and consequently laying the stones for enterprise. Growing business visionaries are spurred for new companies and subsequently are independent and autonomous monetarily and can either bolster their instruction or family. Moral and Human worth Development:

Ethical values is the foremost interest of the foundation, Students are propelled to visit halfway houses, mature age homes, Cancer organizations and serve the neighborhood embraced school or town through NSS. Understudies have never been harsh toward the social emergency during the characteristic destructions. Inside the grounds, there is all around oversight arrangement of waste transfer where we likewise center around the reusing of squanders to the greatest conceivable degree. The school keeps up a culture of sound practices

like water gathering and utilization of lowcontrol devouring electrical machines. We are likewise attempting to go as paperless as would be prudent.

The resources and understudies of the school underscore the utilization of bikes rather than engine vehicles for limiting air contamination. They run crusades now and again to help their perspectives with respect to nature in type of rallies, publication making, Social Awareness drives and so forth. The school has planted in excess of thousand plants in its premises under its drive to accomplish a greener ground.

Provide the weblink of the institution

<http://www.aietta.ac.in>

### **8.Future Plans of Actions for Next Academic Year**

1 Curricular Aspect To adopt more delivery methods for better curricular delivery and improve results. Add few more value added courses  
2 Teaching learning and Evaluation To start free coaching for State civil services, UGC NET, AND CTET/TET  
3 Research, Consultancy and Extension To organize some National Seminar  
4 Infrastructure and Learning Resources Improve more smart classes