Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**
Name of the head of the Institution	**MOHAMMED YOUSUF ALI**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08415-309455**
Mobile no.	**9704755509**
Registered Email	**principal.avanthi@gmail.com**
Alternate Email	**director.avanthi@gmail.com**
Address	**GUNTHAPALLY(V),ABDULLAPURMET(M),RANGA REDDY DIST**
City/Town	**HYDERABAD**
State/UT	**Telangana**
Pincode	**501512**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**SWAMY RAO KULKARNI**
Phone no/Alternate Phone no.	**919704755509**
Mobile no.	**9849714307**
Registered Email	**principal.avanthi@gmail.com**
Alternate Email	**director.avanthi@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.aietg.ac.in/iqacabout-php/

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.aietg.ac.in/academics-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.84**	**2018**	**02-Nov-2018**	**01-Nov-2023**

6. Date of Establishment of IQAC	**02-Mar-2015**

7. Internal Quality Assurance System

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
Travel Grant Scheme	**17-Dec-2018**	**1**

	0	
Research Promotion Scheme	24-Dec-2018 3	2
Grant for Organizing Conference	17-Dec-2018 5	30
Faculty Development Program	15-Dec-2018 6	30
PRERANA Programme Centre for SC/ST Students	21-Dec-2018 6	120
SAMRIDDHI Programme Centre for SC/ST Students	21-Dec-2018 6	120
NSS(Adopted village -Mushamaplly)	04-Jun-2018 6	40
Feedback from stackholders	08-Nov-2018 3	1420

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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	2019 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 :	**4**
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)	

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

2.Student Toppers are ablaze 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.

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

4.Remedial classes for slow learners to enhance skill competence.

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

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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.	Seven Research proposals submitted
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.**
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**24-Aug-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**28-Sep-2018**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**11-Jan-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)	**All the basic information we are providing with College Android Application**

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 & Technology, Hyderabad is sponsored by Avanthi Educational Society, established in the year 1991, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of Accreditation for ECE & CSE UG Programmes. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, science, commerce, IT & Management under this fold.

The Institute has a sprawling area of 10.46 acres and lush green ambience. The Institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana and approved by All India Council for Technical Education (AICTE). The Institute provides B. Tech degree programs in four branches, M. Tech in Three specializations and MBA. The Institute's library has 34124 volumes of books and a good number of national and international journals. It has well qualified and experienced Faculty members in all the Departments. Guest Lectures by eminent Scholars, Industrialists and Experts from reputed I.T industries are conducted frequently, in addition to seminars and workshops to motivate and inspire the students. Students are encouraged for GATE, GRE and TOEFL tests. For this English development material is made accessible to the students to compete with the best practice. Faculty is encouraged to do research.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
MAINTENANCE AND TROUBLES HOOTING OF R EFRIGERATION AND AIR CONDITIONING SYSTEMS	MECHANICAL	15/04/2019	24	YES	YES
Mobile making and AI	ECE	01/03/2019	12	YES	YES
PCB DESIGN	ECE	10/09/2018	12	YES	YES
Green Energy Solitions (2-days)	B.TECH-EEE	08/10/2018	18	YES	YES
Data Science Application to power and energy Management.	B.TECH-EEE	10/07/2018	12	YES	YES
Multi-level Converters and Power Quality Issues for Electric Drives	B.TECH-EEE	11/04/2019	12	YES	YES
EMBEDDED SYSTEM DESIGN AND EMERGIING IOT TECHNOLOGIES	B.TECH-ECE	22/01/2019	24	YES	YES

AMATURE RADIO(HAM RADIO)	B.TECH-ECE	04/02/2019	18	YES	YES
MOBILE MAKING ARTIFICIAL INTELLIGENCE (2-days)	B.TECH-ECE	01/03/2019	18	YES	YES
Smart Sensors for IoT Applications	B.TECH-ECE	17/12/2018	12	YES	YES
management theory practice and brain storming	MBA	30/04/2019	12	YES	YES
REVIT MEP,HVAC PLUMBING SYSTEMS	MECHANICAL	06/08/2018	18	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	nil	01/06/2018
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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
BTech	Computer Science and Engineering	16/07/2018
BTech	Electronics & communication Engineering	16/07/2018
BTech	Electrical & Electronics Engineering	16/07/2018
BTech	Mechanical Engineering	16/07/2018
Mtech	Electrical Power System	08/08/2018
Mtech	VLSI System Design	08/08/2018
Mtech	Computer science & Engineering	08/08/2018
Mtech	Embedded Systems	08/08/2018
MBA	MBA	08/08/2018

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

	Certificate	Diploma Course
Number of Students	291	40

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-1	16/07/2018	291
English Communication Skills lab-2	17/12/2018	291
CRT/APTITUDE	16/07/2018	562
C JAVA Classes	16/07/2018	829
CRT/APTITUDE	17/12/2018	562
C JAVA Classes	17/12/2018	829
BUSINESS COMMUNICATION SKILLS/PERSONALITY EFFECTIVENESS	08/08/2018	103
MATLAB	16/07/2018	144
MATLAB	17/12/2018	98
BUSINESS COMMUNICATION SKILLS/PERSONALITY EFFECTIVENESS	07/01/2019	103
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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	ECE	114
BTech	CSE	83
BTech	EEE	30
BTech	MECHANICAL	64
MBA	MBA	14
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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

offline system by a defined 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, 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	Computer Science & Engineering	120	115	115
BTech	Electronics & Communication Engineering	180	65	65
BTech	Electrical & Electronics Engineering	60	25	25
BTech	Mechanical Engineering	180	8	8
Mtech	Computer Science & Engineering	48	7	7
Mtech	VLSI System Design	18	16	16
Mtech	Electrical Power System	24	0	0
Mtech	Embedded	48	0	0

	Systems			
MBA	Masters of Business Administration	180	57	57

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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
2018	1047	166	115	41	0

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
156	140	13	17	6	7

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View File of E-resources and techniques used

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 is process counselling is offered to a group of 20 students by faculty mentor. Students are observed with regard to their attendance, performance and behavior and subsequently counselled by a mentor. A record of the counselling will be maintained in mentoring register and register maintained by the concern faculty. Every student will be counselled 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
1213	156	1:8

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	156	0	4	19

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	Dr.S.KISHORE REDDY	Professor	PAPER PUBLICATION
2018	M.SATISH KUMAR	Lecturer	BEST FACULTY
2018	S RAJENDER	Lecturer	BEST PROJECT
2019	A SHANKAR	Lecturer	BEST PPT
2018	ASHRAF HUSSAIN	Lecturer	CARRER GUIDANCE
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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	05	2	18/05/2019	09/07/2019
BTech	04	2	18/05/2019	09/07/2019
BTech	03	2	18/05/2019	09/07/2019
BTech	02	2	18/05/2019	09/07/2019
Mtech	57	2	06/07/2019	05/09/2019
Mtech	58	2	06/07/2019	05/09/2019
Mtech	07	2	06/07/2019	05/09/2019
MBA	00	2	11/05/2019	31/07/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The JNTU University, Hyderabad, to which the institute is affiliated, have framed the internal evaluation process to maintain standards of quality. The institute has adopted the reforms introduced by the university: The internal assessment as below Grading of weightage for two internal examinations. The total internal evaluation carries 25 weightage. Modification in weightage for mid marks a. 10 marks for descriptive b. 10 marks for objective c. 5 marks for assignment. Preparation of three sets of question paper for internal exams, out of which one set is selected on the day of examination.. Student focused learning through assignments, projects, seminars, smart class and practical sessions are also considered as evaluation are also tools. The college strongly believes in continuous evaluation system which is implemented effectively in all laboratories for the practical work. Viva voce is conducted after each experimental work and viva every week. Introduction of weekly test for continuous assessment. Introduction of seating plan for internal examinations. Allotment of inter departmental invigilators during internal examinations to ensure integrity in the examination process. Provision of access to students to very answer scripts and challenge the evaluation. Question paper of internal examination set by scripts from our institute. Specially appointed squads to mentor the conduct of internal exams.

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 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 Technical Events, Cultural day, Project Exhibition,Management Activities 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)

https://www.aietg.ac.in/computer-science-engineering/

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
05	BTech	CSE	83	54	65
04	BTech	ECE	113	85	75
03	BTech	MECHANICAL	63	41	65
02	BTech	EEE	30	15	50
0	MBA	MBA	33	15	45
58	Mtech	CSE	6	5	83
57	Mtech	VLSI	6	4	66
07	Mtech	EPS	24	8	33
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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://www.aietg.ac.in/feedback-report/

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	Innovative Systems	0.6	0.6
Industry sponsored Projects	240	Green life energy solutions LLP	0.8	0.8
Industry sponsored Projects	365	Diplomat Ltd	0.4	0.4

Industry sponsored Projects	150	Innovative Systems	1	1
Industry sponsored Projects	270	Innovative Systems	0.8	0.8
Industry sponsored Projects	90	ManacInfotech	0.8	0.8
Industry sponsored Projects	180	WEB TECH LABS	0.5	0.5
Industry sponsored Projects	210	WEB TECH LABS	0.5	0.5
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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
Green Energy Solutions	EEE	08/10/2018
Data Science Application to power and energy Management.	EEE	10/07/2018
Multi-level Converters and Power Quality Issues for Electric Drives	EEE	11/04/2019
EMBEDDED SYSTEM DESIGN AND EMERGIING IOT TECHNOLOGIES	ECE	22/01/2019
AMATURE RADIO(HAM RADIO)	ECE	04/02/2019
MOBILE MAKING ARTIFICIAL INTELLIGENCE	ECE	01/03/2019
Smart Sensors for IoT Applications	ECE	17/12/2018
MACHINE LEARNING	CSE	05/10/2018
DATAWARE HOUSING AND DATA MINING(DWDM)	CSE	26/10/2018
Intellectual Property Rights	ECE,CSE,EEE,MECH,MBA	18/03/2019
ENTREPRENEURSHIP DEVELOPMENT	ECE,CSE,EEE,MECH,MBA	10/12/2018

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 Faculty Award	K.ANURADHA	AIET	05/09/2018	ECE
Best Faculty	Dr.S.KISHORE	AIET	05/09/2018	ECE

Award	REDDY				
Best Faculty Award	Dr.G.SAIKUMAR	AIET	05/09/2018	ECE	
Best Faculty Award	M.SHIREESHA	AIET	05/09/2018	CSE	
Best Projects developer	K.SRINIVAS	AIET	05/09/2018	CSE	
Best Web Designer	S. RAJENDHER	AIET	05/09/2018	CSE	
BEST PERFORMANCE IN SEMESTER	Dr.K.SAILAJA	AIET	05/09/2018	CHEMISTRY	
Best Faculty Award	N.RAMANA REDDY	AIET	05/09/2018	MBA	
BEST PERFORMANCE IN SEMESTER	E.PRASANNA	AIET	05/09/2018	EEE	
BEST PERFORMANCE IN SEMESTER	M.RAGINI	AIET	05/09/2018	EEE	
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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
ADVANCED VLSI LAB	VLSI	MANAC INOTECH,CONSINE TECHNOLOGIES	VLSI LAB	DESIGN AND IMPLEMENTATION	09/05/2018
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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
nil	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)
International	EEE	4	5.84
International	ECE	14	3.78
International	CSE	6	3.24
International	MBA	2	3.12
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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
EEE	1
ECE	1
CSE	7

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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
An Intelligent Controller For The Evaluation Of Dvr With Improved Power Quality FEATURES	Dr.Rajender Reddy	The International journal of analytical and experimental modal analysis	2019	0	AIET	0
Design of Roof Top Solar Photo Voltaic System for BIET, Hyderabad, India	Dr.Rajender Reddy	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES RESEARCH TECHNOLOGY, ISSN: 2277-9655	2018	0	AIET	0
CONTROL STRATEGY OF SWITCHING REGULATORS FOR PHOTO VOLTAIC POWER	SARASWATHI PALEM	IJMTE	2018	0	AIET	0
Comparative Analysis of Li-Ion Battery Charging with Different Rectifier Topologies	Gutti Om Suraj	(IJITEE)	2019	0	AIET	0
Multi – Precision	Dr.S.KISHORE REDDY	IJAEMA	2019	0	AIET	0

Floating Point Arithmetic Unit design and implementation based on FPGA						
Design and implementation of digital storage TRN Generator using FIFO and D-FF	Dr.S.KIS HORE REDDY	IJR	2019	0	AIET	0
Low Power Design Multiplier Using A Replica Of Fixed Width Repetition Block	Dr.S.KIS HORE REDDY	IJR	2019	0	AIET	0
A Novel Programmab le 16 Bit ALU Using Vedic Multiplier and Kogge-Stone Adder	Dr.SAI KUMAR	IJAEMA:	2019	0	AIET	0
Intellig ent Access Control System For Safety In Industries	M.GOVIND RAJ	IJR	2019	0	AIET	0
Low Power Design Multiplier Using A Replica Of Fixed Width Repetition Block	Dr.SAI KUMAR	ISSN NO: 2236-6124	2019	0	AIET	0
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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
0	0	0	2018	0	0	0

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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	0	11	2	9

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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
World Environment Day	NSS	10	160
Tree Plantation	NSS	13	220
Nss Volunteers Orientation	NSS	10	170
Nss Day	NSS	12	200
Anti Ragging Meeting With Police Dept.And Students	NSS	15	300
Children's Day	NSS	8	150
Traditional Day	AIET	120	1150
Rally Taken For Protest Against Pulwama Attack	NSS	18	350
Blood Donation Camp	NSS	12	200
Women's Day	NSS	35	280

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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
Health Camp for BMI,blood Pleasure	Letter of Appreciation	GRAMA PANCHAYATH, Lashkarguda	5
Health Camp on Eye Dental check up	Letter of Appreciation	GRAMA PANCHAYATH, Lashkarguda	10
Health Camp for BMI,blood Pleasure	Letter of Appreciation	GRAMA PANCHAYATH, Anajpur	6

Health Camp for sugar test	Letter of Appreciation	GRAMA PANCHAYATH, Abdullapur Met	12
Blood Donation Camp	Letter of Appreciation	Jeevan Jyothi Voluntary Blood Bank	5

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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	NSS Cell of Avanthi	swacch bharath	5	30
Outreach Activity	Laalana Welfare organization	Childrens day	4	60
Outreach Activity	Maximeyz optics	Eye Camp	6	20
Outreach Activity	NSS Cell of Avanthi	Health Camp for sugar test	12	50
Outreach Activity	NSS Cell of Avanthi	Blood donation	5	20

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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
Industrial Visit	BSNL-RTTC	AIET	1
Industrial Visit	NRSC,bala nagar	AIET	1
Industrial Visit	KWALITY PHOTONICS PVT. LTD	AIET	1
Industrial Visit	T-HUB	AIET	2
Industrial Visit	An Industrial Visit to BHEL,HYD.	AIET	1
Industrial Visit	An Industrial Visit to CITD,HYD.	AIET	1
Industrial Visit	CIPET	AIET	1
Industrial Visit	ARCI	AIET	1
Industrial Visit	BHEL, R.C Puram, Hyderabad	AIET	1
Industrial Visit	COCACOLA,MIYAPUR	AIET	1

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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	Duration From	Duration To	Participant

		institution/ industry /research lab with contact details			
EXPERT LECTURE	NETWORK SECURITY AND CRYPTOGRAPHY	R.RAVINDER REDDY,PROFESSOR CSE DEPT ,CBIT,HYD	12/04/2019	12/04/2019	60
EXPERT LECTURE	Cellular Mobile Communication	Dr.N.Srinivas,MLRIT,HYD	27/10/2018	27/10/2018	60
EXPERT LECTURE	Analog Communication	Dr.N.Srinivas,MLRIT,HYD	25/04/2019	25/04/2019	76
industry oriented mini project	INTERNSHIP	ELECTRONICS CORPORATION OF INDIA LIMITED	18/06/2018	17/07/2018	75
industry oriented mini project	INTERNSHIP	BSNL-RTTC,HYD	18/06/2018	28/06/2018	35
industry oriented mini project	INTERNSHIP	CEDAR IT PVT LTD	16/05/2018	09/06/2018	40
industry oriented mini project	INTERNSHIP	BHEL,HYD	25/06/2018	10/07/2018	4
RESEARCH ORIENTED PROJECT WORK	MAJOR PROJECTS	MANAC INFOTECH PRIVATE LIMITED	21/01/2019	04/04/2019	100
RESEARCH ORIENTED PROJECT WORK	MAJOR PROJECTS	WEB TECH LABS	23/01/2019	08/04/2019	98
RESEARCH ORIENTED PROJECT WORK	MAJOR PROJECTS	Conscience Technologies	17/01/2019	03/04/2019	65

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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
ICT ACADEMY	07/01/2019	RESEARCH EDUCATION	25
MANAC INFOTECH	03/10/2018	RESEARCH EDUCATION	80

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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
16100000	15574335

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	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
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
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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
ALARM SOFTWARE	Partially	-	2008
NEW GEN LIBRARY SOFTWARE	Fully	3.1.3	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others(specify)	20	531128	20	55000	40	586128
Text Books	25026	6316947	763	288577	25789	6605524
Reference Books	4797	1918800	177	70873	4974	1989673
e-Books	2000	81371	792	3570	2792	84941
Journals	815	3772463	76	196673	891	3969136
e-Journals	7000	300000	10000	82216	17000	382216
CD & Video	829	45000	28	2000	857	47000

Weeding (hard & soft)	659	197700	10	5500	669	203200
Library Automation	1	119630	1	11210	2	130840

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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
S.RAJENDER	JAVA	LMS	03/09/2018
Dr.S.KISHORE REDDY	VLSI	LMS	11/02/2019

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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	496	17	1	1	1	15	15	100	0
Added	60	0	0	0	0	0	0	0	0
Total	556	17	1	1	1	15	15	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
ASDC	https://www.aietg.ac.in/elearning/

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 incurredon maintenance of physical facilites
3765000	3600239	29514000	27443753

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 adequate infrastructure like ICT class rooms,Seminar halls and central library. The college has adequate number of computers 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 non book 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.

https://www.aietg.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 SCHLORSHIP	867	32579000
Financial Support from Other Sources			
a) National	0	0	0
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
Soft skill development	16/07/2018	562	FACE
Career Counselling	16/07/2018	562	FACE
Guidance for competitive examinations	02/07/2018	291	AVANTHI INSTITUTE OF ENGG AND TECH
Remedial classes	27/08/2018	1042	AVANTHI INSTITUTE OF ENGG AND TECH
Language lab	16/07/2018	291	AVANTHI INSTITUTE OF ENGG AND TECH
Yoga and meditation	21/06/2019	250	Brahma Kumaris Raja Yoga Meditation Centre
PERSONAL COUNSELLING	27/08/2018	291	ART OF LIVING
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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	Number of benefited students by	Number of students who have passedin	Number of studentsp placed

competitive examination	career counseling activities	the comp. exam		
2018	CRT	115	562	42	263

		competitive examination	career counseling activities	the comp. exam	
2018	CRT	115	562	42	263

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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
4	4	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
20	301	258	3	151	5

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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
2019	4	B.TECH	MECH	Hertfordshire, London	MS
2019	4	B.TECH	ECE CSE	KINGSTON, london	MS
2019	1	B.TECH	EEE	LONDON UNIVERSITY	MS
2019	1	B.TECH	CSE	JNTU HYDERABAD	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	1

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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	200
TECHRESONANCE 2K19	National Level	401
Engineers Day Celebrations	Institute Level	90

ABHYAS2K19	National Level	50
EUPHORIA	National Level	490
International Womens Day Celebrations	Institute Level	55
Teachers Day Celebrations	Institute Level	80
Independence Day Celebrations	Institute Level	326
Republic day Celebrations	Institute Level	250
swacch bharath	Institute Level	30
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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	Certificate of merit for Hand ball (JNTU)	National	1	0	17Q61A0311	Nallabelli Prashanth
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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. 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 2013 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 In charges to maintain it in a better way. The committee is gathering at college premises once 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 Alumni on top position.

5.4.2 – No. of enrolled Alumni:

170

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

65000

5.4.4 – Meetings/activities organized by Alumni Association :

One Alumni Association meeting per year Executive body meetings – One 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, effective, 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), mid level (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
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)
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.
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	All the Departments and all the

Infrastructure / Instrumentation	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 2018-19.
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	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.

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 marks25 and 75 Assignments are evaluated as Internal evaluation Mini and Major projects are also evaluated on Internal and External basis.

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

E-governace area	Details
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.
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

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	K.SRINIVAS	INTERNATIONAL CONFERENCE	WORKSHOP	1000
2019	L.SHIVASHANKER	Cisco-IT Essential	WORKSHOP	6500
2019	ASHRAF HUSSAIN	MANAGEMENT THEORY ,PRACTICE AND BRAIN STORMING SESSION	WORK SHOP	1000
2018	T.Kranthi kumar	Power conservation for smart grid	WORK SHOP	1000
2018	M SHANKAR	Power conservation for smart grid	WORK SHOP	1000
2019	B BABU	EMBEDDED SYSTEM DESIGN AND EMERGIING IOT TECHNOLOGIES	WORK SHOP	1000
2019	GURUPRASAD	AMATURE RADIO(HAM RADIO)	WORK SHOP	1000
2019	KISHOREREDDY	MOBILE MAKING ARTIFICIAL INTELLIGENCE (2-days)	WORKSHOP	1000
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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	ANDROID MOBILE APP DEVELOPMENT	-	21/02/2019	23/02/2019	8	0

2018	IoT WORKSHOP	-	06/11/2018	10/11/2018	10	0
2019	FDP SALESFORCE WORKSHOP (6 DAYS)	-	11/03/2019	16/03/2019	10	0
2018	3 DAYS WORKSHOP ON SOFTWARE TESTING	-	29/08/2018	31/08/2018	4	0
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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
INTERNATIONAL CONFERNCEOn computational intelligence and informatics springer.	1	28/12/2018	29/12/2018	2
FDP ON DataScience Analytics Andriod App	3	12/12/2018	17/12/2018	6
FDP ON Cloud COMPUTING	2	28/08/2018	29/12/2018	3
FDP ON Mobile App	1	29/01/2019	02/02/2019	5
FDP ONCisco-IT Essential	1	19/08/2019	23/08/2019	4
Data Science Application to power and energy Management.	1	17/12/2018	21/12/2018	5
Application of electrical power system engineering.	2	02/08/2018	03/08/2018	2
Green energy	2	03/12/2018	04/12/2018	2
BUSINESS ANALYTICS USING R TOOL	2	21/12/2018	27/12/2018	7
AUTO DISK REVIT	1	12/12/2018	17/12/2018	6

ARCHITECTURE			

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
156	156	65	65

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF,GROUP INSURANCE	ESI	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	90000	SPONSERED STUDENT EDUCATION

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6.4.3 – Total corpus fund generated

87500000

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	JNTUH	Yes	IQAC
Administrative	Yes	Nill	Yes	CAC

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

1. Setting up of legitimate advising instruments like mentoring and counseling 2. Support in extra curricular activities 3. Out reach programs

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

1)Technical workshop to conduct lab as and when the syllabus changes 2) Refresher course on usage of software tools 3) Personality development program

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

1)Revised set of HR Policies for sourcing, recruitment, maintenance and retention. 2) 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. 3) Motivating and supporting entrepreneurial drive among students by establishing through student development center 4) Student Clubs initiated in every department to enhance skills. 5) 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	Yes

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	Travel Grant Scheme	15/12/2018	17/12/2018	17/12/2018	1
2018	RESEARCHPROMOTION SCHEME	15/12/2018	24/12/2018	24/12/2018	2
2018	GRANT FOR ORGANIZING CONFERENCE	15/12/2018	17/12/2018	17/12/2018	30
2018	FDP	15/12/2018	15/12/2018	15/12/2018	30
2018	NSS ADOPTED VILLAGE	01/06/2018	04/06/2018	04/06/2018	40

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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
Women Empowerment :Rhetoric versus Reality	21/08/2018	21/08/2018	55	50
Women Leadership Development	16/11/2018	16/11/2018	52	50
Gender	28/01/2019	28/01/2019	53	60

Sensitization				
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 150 KW. It generates 500 units per day and saves 65 percent 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	No	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	2
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	150
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	140
2019	0	1	11/02/2019	1	Awareness Programme	Literacy Camp	145
2019	0	1	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 |

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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)
Code of conduct for Staff	28/07/2018	4. CODE OF CONDUCT 4.1 DO's • Maintain absolute integrity and devotion • Attend the college regularly and punctually • Engage classes, both theory and practical's, punctually and effectively. • Correct the assignments and lab. Records systematically. • Be meticulous in submitting the question papers and marks of the internal tests. • Warn the students concerned for their irregular attendance and poor performance in the internal tests. • Be honest, impartial in dealings and courteous with others. • Abide by the rules and regulations of the institution. • Promote dignity and discipline among staff and students. • Institute devices mechanisms to improve academic standards. • Acquire professional competence and enhance interpersonal competence among staff and students • Facilitate team work and reinforce the feeling of oneness. • Cooperate with the administration in complying with the imposed restrictions. • Behave like a true Academician. 4.2 DON'Ts • Knowingly or willfully neglect duties • Propagate communal or sectarian outlook or incite / allow any student to Indulge in communal or sectarian

			activity • Discriminate against any person on the ground of caste, creed, language, place Of origin, social and cultural background. • Indulge in or encourage any form of 'malpractice' connected with examination or any other activity, • Leave the campus, while on duty in the institute, without prior permission of The Head of the Institution. • Remain absent from the institution, without leave or without the prior Permission of the Head of the Institution, • Undertake private tuition, either to students of other colleges. • Prepare or publish any books commonly known as Keys. However writing University level text books comes outside this purview. • Enter into any monitory transactions with any student or parent. • Cause, or incite any other person to cause, any damage to institution property, • Indulge in any violence or any conduct which involves moral turpitude, • Organize or attend any meeting without permission. • Pass comments on the students' religious, regional, personal or cultural??Sentiments • Be a member of a political party or shall take part in politics • An employee who commits an offence or dereliction of duty or does an act detrimental to the interest of the college is liable for consequences.
Code of conduct for Students	28/07/2018		4. CODE OF CONDUCT 4.1 DO's • Maintain absolute integrity and devotion •

Attend the college regularly and punctually • Attend classes, both theory and practical's, punctually and effectively. • Submit the assignments and lab. Records systematically. • Be honest, impartial in dealings and courteous with others. • Abide by the rules and regulations of the institution. • Promote dignity and discipline among staff and students. • Institute devices mechanisms to improve academic standards. • Acquire professional competence and enhance interpersonal competence among staff and students • Facilitate team work and reinforce the feeling of oneness. • Cooperate with the administration in complying with the imposed restrictions. • Behave like a true Professional. 4.2 DON'Ts • Knowingly or willfully neglect Responsibilities. • Propagate communal or sectarian outlook or incite / allow any student to Indulge in communal or sectarian activity • Discriminate against any person on the ground of caste, creed, language, and place of origin, social and cultural background. • Indulge in or encourage any form of 'malpractice' connected with examination or any other activity, • Leave the campus without prior permission of The Head of the Institution. • Remain absent from the institution, without leave or without the prior Permission of the Head of the Institution, • Enter into any monitory

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

1. E waste management: The E waste which is available in the campus like keyboards, monitors, hard drives, cables, printers IC'S PCB etc., is used in different ways E waste 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 e waste materials are properly disposed Awareness programmes are initiated on e waste management. 2. Rain water harvesting structures and utilization in the campus. 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. >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. >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

Best Practice -I 1. Title of the Practice: Mentorship Scheme 2. Goal ? To plan Personal and career goals of students. ? To improve presentation skills/written skills and oral communication skills. ? To improve general aptitude test/technical quiz proficiency. ? To develop leadership qualities. ? To know resume writing and preparations for mock interview. ? To monitor overall progress of students during his/her graduation. 3. The Context: ? Along with the adaptation of good teaching learning process, which enhances the technical knowledge of students, Institute has designed innovative methods for the overall personality development of the students. ? Through Mentorship scheme-institute has developed systematic road map for improving the different aspects of personality developments, Communication Skill, Presentation Skill, Team Work, leadership qualities, resume writing, etc. and make them ready to face the challenges in industry. ? The students lagging in any of the above mentioned skills are eager to participate in the different activities planned under the Mentorship Scheme to develop themselves. ? The objective of Institute to implement mentorship scheme is to provide training and guidance to undergraduate students in all disciplines, increase the participation of all undergraduate students from F.E to BE in the different activities conducted by the Institute, which will be useful to them in their life after graduation. ? Faculty who serve as mentors make a valuable contribution to the education and training of undergraduate students interested in hands-on experience in different activities. Students judge the experiences primarily by their interaction with their mentors. Thus, the role of faculty member in scheme is crucial to the program's success. 4. Practice: ? In the mentorship scheme a Teacher (mentor) is allocated with group of approximately twenty students (mentees). Around five students from each year i.e. F.E, S.E, T.E and B.E to form a group of twenty. ? Mentor meeting is conducted once in an alternate week. Various activities like career goal setting, presentation skill, communication skill, resume writing, aptitude test etc. are conducted in the meetings. ? Along with these activities, mentor has to keep the academic record of the mentees allotted to him in terms of their monthly attendance, academic results, co-curricular participation within and outside campus etc. and inform the same to the parents. 5. Evidence of success: ? The evidence of success of mentorship system is reflected through the overall personality development of students. ? Those students who had lack of confidence, weak in communication, poor presentation skills, were observed having marginal improvement in the lacked areas when they came to final year. ? Parents were happy to have a system where, the overall progress of their ward is monitored and informed to them timely right from the first year till the candidate completes his/her engineering. ? There is a marginal increment in the number of students participating in various events held within and outside the college, since the implementation of Mentorship Scheme. 6. Problem Encountered and Resources required: ? The institute being situated in rural area the students are not that much exposed to the current enhancements. To overcome this mentors play an important role by making them aware of the same. ? To mould the students'mentality towards improvement in their personality without hampering

academics was a difficult task. 2) Practices like experiential learning, using the method of power point 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 well being through various activities a student centric, self directing pedagogy. Through constructive feedback, open communication, inculcating a culture of critical thinking and holding an array of in depth discussions, the college has managed to uplift its most underprivileged members to be more self reliant, 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 life world reflected in the text. The students learn to think beyond right wrong, profit loss, abnormal , beautiful ugly 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 e resources 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

https://www.aietg.ac.in/best-practices/

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 oversaw 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
https://www.aietg.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 SET Exams. 3.Research, Consultancy and Extension to organize some Inter- National Seminar. 4.Increase association with Alumni for Academic and Training Placements of College. 5.Development of Mobile app. 6.Applied for NCC.