



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
Name of the head of the Institution		A SIVA KUMAR
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.avanathi@gmail.com
Alternate Email	director.avanathi@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://aietq.ac.in/assets/pdf/aqar.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://aietq.ac.in/assets/pdf/2019-20.pdf

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
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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
Facts Finding Committee	13-May-2019	150

Inspection	12	
Sales Force Workshop	25-Oct-2019 36	86
Cyber Security Forensic	02-Dec-2019 18	45
Faculty Development Program	14-Dec-2019 36	60
Participation in India Today Ranking	01-Feb-2020 18	100
Participation in Times of India Ranking	08-Feb-2020 18	100

L::asset('/', 'public')/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'.\$instdata->upload_special_status)}}}

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

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

[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. Certain measures shall be taken to improve students performance in Communication Rounds. Students should be encouraged to prepare Video resumes and more focus to be given for Competitive exams.

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
Communication with Parents	Letters with particulars of Attendance Percentage, Midexam marks, SGPA and Backlogs have been sent.
Extent of financial support to the faculty members	Faculty members are provided with financial support to attend FDPs, Workshops, Conferences, Certifications programs, Publications etc.
Offer Value added courses	Certification programs are conducted on latest technologies for the benefit of the students
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.
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				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Governing Body</td> <td>24-Aug-2019</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Body	24-Aug-2019
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-Mar-2018				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	11-Jan-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	All the basic information we are providing with College Android Application i.e, MY CLASS BOARD.				

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 ambiance. 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 equipped infrastructure and experienced Faculty members in all the Departments. Preparation of Academic Calendar: Academic calendar has been prepared after the academic schedule was released by the affiliating University JNTU, Hyderabad by the heads of the department in alignment with the University academic calendar. This calendar includes the academic details such as schedule for the number of working days, internal assessment test and association actives such as guest lecture, value added courses, industrial visits, etc., Subject allocation: subjects are allocated to the faculty members based on their expertise & subject preferences by the Head of the department (HOD) and approved by the Principal. Timetable Preparation: Timetables are prepared by the Time-Table committee in the department and approved by the head of the department and principal, Class-wise timetables also include time slots for, Seminars, counseling sessions & library etc. Individual faculty timetables are prepared reflecting his/her complete workload. Preparation of Course file: Each faculty member prepares the course file which includes the timetable, lecture plan, course outcomes, mapping of course outcomes with program outcomes & program specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, unit wise notes, previous question papers and previous performances and laboratory manual for practical courses. After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs. Monitoring classes: Regular conduct of classes is closely monitored by HODs and Principal. and feedback will be collected periodically Assessments: Internal Assessment (25 Marks): faculty will conduct unit test after completion of every unit in every course and there are two internal assessment tests (Mid1 and Mid2) as per the regulations. Based on the Unit test and internal Assessment Slow learners and advanced learners are separated in every department. Special coaching classes are conducted after the regular class hours for slow learners. Placement training classes, which includes soft skill and aptitude training, are conducted after the regular class work. External Assessment (75Marks): The external assessment is based on the semester end examinations conducted by the university.

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
CERTIFICATE COURSE IN PYTHON	CSE	24/01/2020	30	YES	YES
SALESFORCE CYBER SECURITY	CSE	04/11/2019	30	YES	YES
CERTIFICATE PROGRAM ON REFRIGERATION AND AIR CONDITIONING SYSTEMS	MECH	08/11/2019	24	YES	YES
CERTIFICATE COURSE ON ADDITIVE MANU	MEC	07/02/2020	18	YES	YES

FACTURING

	MEC	17/11/2019	24	YES	YES
CERTIFICATE COURSE ON COMPOSITE MATERIALS					
SAP HR CER TIFICATION	MBA	18/11/2019	45	YES	YES
NSES CERTI FICATION IN FINANCIAL MARKETS (NFCM)	MBA	30/01/2020	30	YES	YES
NISM CERTI FICATION	MBA	28/10/2019	30	YES	YES
RENEWABLE ENERAGY SOURCES AND PHOTOVOLTAIC S	EEE	08/11/2019	50	YES	YES
ADVANCE POWER GENERATION AND ITS METHODS	EEE	06/01/2020	50	YES	YES
CERTIFICAT ION COURSE IN ADVANCED JAVA	ECE	24/01/2020	30	YES	YES
CERTIFICAT ION PROGRAM ON AUTO CAD	MECH	24/02/2020	36	YES	YES
CERTIFICAT ION PROGRAM ON REVIT MEP	MECH	24/02/2020	36	YES	YES
CERTIFICAT ION PROGRAM ON PLASTIC ENGINEERING	MECH	27/12/2019	18	YES	YES
CERTIFICAT ION PROGRAM ON WIRELESS SENSOR NETWORK	ECE	01/06/2020	18	YES	YES
CERTIFICAT ION PROGRAM ON IOT AND ITS APPLICATIONS	ECE	31/10/2019	30	YES	YES
CERTIFICAT ION PROGRAM ON IOT AND	ECE	02/07/2020	36	YES	YES

ITS APPLICATIONS						
CERTIFICATE PROGRAM ON 5G TECHNOLOGY	ECE	02/02/2020	30	YES	YES	
CERTIFICATE ON DESTRUCTIVE AND NON DESTRUCTIVE TESTING	MEC	02/01/2020	18	YES	YES	
Design and simulation of power converters using MATLAB.	EEE	16/12/2019	45	YES	YES	
Certificate Programme On R Programming	FIRST YEAR	13/02/2020	80	YES	YES	
Certificate Programme On Mathematics in Future	FIRST YEAR	07/04/2020	90	YES	YES	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	EPS	01/12/2017
BTech	ECE	18/11/2016
BTech	CSE	18/11/2016
BTech	EEE	18/11/2016
BTech	MEC	18/11/2016
Mtech	VLSI SYSTEM DESIGN	01/12/2017
Mtech	CSE	01/12/2017
MBA	MBA	16/12/2017
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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	15/07/2019
BTech	Electronics & communication Engineering	15/07/2019

BTech	Electrical & Electronics Engineering	15/07/2019
BTech	Mechanical Engineering	15/07/2019
Mtech	Electrical Power System	26/08/2019
Mtech	VLSI System Design	26/08/2019
Mtech	Computer science & Engineering	26/08/2019
MBA	MBA	05/09/2019

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

	Certificate	Diploma Course
Number of Students	1640	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
CRT	16/12/2019	260
BUSINESS COMMUNICATION SKILLS/PERSONALITY EFFECTIVE NESS	20/01/2020	53
MATLAB	16/12/2019	137
CRT	15/07/2019	537
English Communication Skills lab-1	15/07/2019	537
C AND JAVA CLASSES	15/07/2019	273
MATLAB	15/07/2019	147
English Communication Skills lab-2	16/12/2019	264
C AND JAVA CLASSES	16/12/2019	264
BUSINESS COMMUNICATION SKILLS/PERSONALITY EFFECTIVE NESS	05/09/2019	110

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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	103
BTech	CSE	69
BTech	EEE	44
BTech	MECH	57
MBA	MBA	40

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

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 stakeholders 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
Mtech	Electrical Power System	24	52	20
Mtech	Computer Science & Engineering	24	47	18

MBA	MBA	180	161	129
BTech	Mechanical Engineering	120	154	81
BTech	Electrical & Electronics Engineering	60	72	60
BTech	Electronics & Communication Engineering	180	148	143
BTech	COMPUTER SCIENCE AND ENGINEERING	180	223	164
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	448	167	103	29	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	Number of smart classrooms	E-resources and techniques used
132	128	380	20	10	256

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The Institute has established a systematic mentoring process. As a part of this process counselling is offered to a group of 13 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 of 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
1703	132	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned	No. of filled positions	Vacant positions	Positions filled during	No. of faculty with
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positions			the current year	Ph.D
132	132	0	16	12

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	R.V PRALADH	Assistant Professor	PAPER PUBLICATION
2020	S RAJENDER	Assistant Professor	BEST PROJECT

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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	02	2	07/04/2020	01/11/2020
BTech	03	2	07/04/2020	01/11/2020
BTech	04	2	07/04/2020	01/11/2020
BTech	05	2	07/04/2020	01/11/2020
Mtech	57	2	26/08/2020	04/01/2021
Mtech	58	2	26/08/2020	04/01/2021
MBA	00	2	07/04/2020	13/11/2020

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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)

<http://aietg.ac.in/assets/pdf/poco.pdf>

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
00	MBA	MBA	56	51	91.07
57	Mtech	VLSI DESIGN	15	14	93.3
58	Mtech	CSE	8	8	100
05	BTech	CSE	69	63	91.30
04	BTech	ECE	97	88	90.72
03	BTech	MECH	55	50	90.9
02	BTech	EEE	37	34	91.89

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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)

<http://aietg.ac.in/assets/pdf/studentsatisfaction.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	90	INNOVATIVE SYSTEMS	0.43	0.43
Industry sponsored	240	GREEN LIFE ENERGY	0.6	0.6

Projects		SOLUTIONS LLP		
Industry sponsored Projects	150	INNOVATIVE SYSTEMS	1.05	1.05
Industry sponsored Projects	270	INNOVATIVE SYSTEMS	0.8	0.8
Industry sponsored Projects	90	MONAC INFOTECH	0.6	0.6
Industry sponsored Projects	180	WEB TECH LABS	0.5	0.5
Industry sponsored Projects	210	WEB TECH LABS	0.5	0.5
Industry sponsored Projects	240	DIPLOMAT LTD	0.4	0.4
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights	CSE, ECE, EEE, MECH, MBA	13/03/2019
AMATURE RADIO(HAM RADIO)	ECE, EEE	04/02/2019
Webinar on beginning with machine learning	CSE, ECE, EEE	01/07/2020
E-resources for teaching and learning	EEE, ECE, CSE, MECH, MBA	12/08/2020
Industry Institution Interaction Program	EEE, ECE, CSE, MECH, MBA	20/08/2020
Research Methodology	EEE, ECE, CSE, MECH, MBA	20/04/2020
Business Methodologies	EEE, ECE, CSE, MECH, MBA	04/09/2020
Entrepreneurship Skill	EEE, ECE, CSE, MECH, MBA	26/09/2020
SMART SENSORS FOR IOT APPLICATIONS	ECE, EEE, CSE	16/12/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
CERTIFICATION OF PARTICIPATION AS IEFE ISF Coordinator	Dr S Kishore Reddy	IETE	02/11/2019	ECE
CERTIFICATION OF	Dr S Kishore Reddy	IETE	02/11/2019	ECE

PARTICIPATION AS IETE Faculty CO ORDINATORS				
BEST PERFORMANCE IN SEMESTER	M.VINAY KUMR	AIET	17/07/2019	ECE
BEST PERFORMANCE IN SEMESTER BEST PERFORMANCE IN SEMESTER	P.PADMAVATHI	AIET	22/07/2019	ECE
BEST PERFORMANCE IN SEMESTER	K.ANURADHA	AIET	22/08/2019	ECE
BEST PERFORMANCE IN SEMESTER	Dr S Kishore Reddy	AIET	28/08/2019	ECE
Best Projects developer	SRINIVAS	AIET	04/12/2021	CSE
Best Web Designer	S. Rajender	AIET	04/12/2021	CSE
BEST PERFORMANCE IN SEMESTER	DR.SAILAJA	AIET	11/12/2021	HS
Best faculty award	Ramana reddy	AIET	11/12/2021	MBA
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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
ADVANCE PYTHON	ADVANCE PYTHON	MANAC INFOTECH	PYTHON LAB	DESIGN PYTHON CODING TECHNIQUES	11/07/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
4	0	0

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	4	3.78

International	EEE	2	5.84
International	CSE	6	3.24
National	MBA	2	3.4
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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
CSE	2
ECE	1
MBA	1
MECH	2
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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
A MPPT ALGORITHM BASED PV SYSTEM CONNECTED TO VOLTAGE CONTROLLED GRID	E.PRASANNA	ISSN	2019	0	AVIH	0
"Control of DFIG Wind Power Generators in Unstable Microgrids founded in Instatnt Power Theory"	S.SRIKANTH REDDY	IJIEMR	2019	0	AVIH	0
Multi - Precision Floating Point Arithmetic Unit design and implementation based on FPGA	Dr.S.KIS HORE REDDY	IJAEMA	2019	0	AVIH	0
Design and implem	Dr.S.KIS HORE REDDY	IJAEMA	2019	0	AVIH	0

entation of digital storage TRN Generator using FIFO and D-FF						
Clock-gating of streaming applications for energy efficient implementations on FPGA's	Dr.S.KISHORE REDDY	IJAEMA	2019	0	AVIH	0
Design and implementation of deep learning neural networks based convolution and laplacian filter with image controlling on DLAU CONTROLLER	Dr.S.KISHORE REDDY	IJR	2019	0	AVIH	0
Clock-gating of streaming applications for energy efficient implementations on FPGA's	Dr.SAI KUMAR	IJAEMA	2019	0	AVIH	0
Multi - Precision Floating Point Arithmetic Unit design and implementation based on FPGA	Dr.SAI KUMAR	IJITR	2019	0	AVIH	0
Design and implementation	Dr.SAIKUMAR	IJR	2019	0	AVIH	0

of deep learning neural networks based convolution and laplacian filter with image controlling on DLAU CONTROLLER						
A novel approach of a Modified DCPET Based on Series Connection of Full-Bridge Converters	E.PRASANNA	ISSN	2019	0	AVIH	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	2020	0	0	0
0	0	0	2019	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	1	16	42	32
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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	32	289
Blood Donation Camp	NSS	28	312
Telanganaku Haritha Haram	NSS	27	417

Tree Plantation	NSS	33	384
Mahatma Gandhi 150th Birthday Celebration	NSS	25	298
Awareness Program In Zilla Parishad Patasala, Majid Pur	NSS	24	221
Donation of Books to orphan Students	NSS	23	336
Anti Ragging meeting with police dept. and students	NSS	28	365
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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	96
Health Camp on Eye Dental check up	Letter of Appreciation	GRAMA PANCHAYATH, Lashkarguda	86
Health Camp for BMI,blood Pleasure	Letter of Appreciation	GRAMA PANCHAYATH, Anajpur	87
Health Camp for sugar test	Letter of Appreciation	GRAMA PANCHAYATH, Abdullapur Met	92
Blood Donation Camp	Letter of Appreciation	Jeevan Jyothi Voluntary Blood Bank	101
NATIONAL LEVEL PROJECT EXPO	BEST PROJECT AWARD	ANVESHANA 2019	96
HOCKEY TOURNAMENT	Letter of Appreciation	NATIONAL ANNUAL SPORTS MEET, BRILLENT GROUP , HYDERABADCAMPUS	94
AWARENESS ON WOMEN SAFTEY MEASURES	Letter of Appreciation	LIONS CLUB	87
EDUCATIONAL AWARENESS PROGRAM	Letter of Appreciation	NARAYANA Jr college,hyderabad	95
AWARENESS ON CYBER SECURITY ISSUES	Letter of Appreciation	LIONS CLUB	79
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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	Maximeyz optics	Eye Camp	6	80
Outreach Activity	NSS Cell of Avanathi	Health Camp for sugar test	12	60
Outreach Activity	NSS Cell of Avanathi	Blood donation	12	200
Outreach Activity	NSS Cell of Avanathi	Nss Day	15	60
Outreach Activity	NSS Cell of Avanathi	World Environment Day	10	49
Outreach Activity	NSS Cell of Avanathi	ENGINEERS DAY	23	156
Outreach Activity	NSS Cell of Avanathi	AWARENESS ON WOMAN SAFTY MEASURES	16	96
Outreach Activity	NSS Cell of Avanathi	AWARENESS ON DELTA VARIENT WEBINAR	12	98
Outreach Activity	NSS Cell of Avanathi	Women's Day	9	102
Outreach Activity	NSS Cell of Avanathi	Children's Day	10	152
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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	Parle-G	AIET	1
Industrial Visit	Masqati Dairy Firm	AIET	1
Industrial Visit	Kwality photonics pvt lim	AIET	1
Industrial Visit	Sagar pump House	AIET	1
Industrial Visit	TSRTC	AIET	1
Industrial Visit	BHEL	AIET	1
Industrial Visit	Dr B.naresh, Associate Professor, Dept of E.C.E, BVRIT, NARSAPUR	AIET	1
Industrial Visit	RAMANA REDDY, CBIT, HYDERABAD	AIET	1
Industrial Visit	T-HUB	AIET	1
Industrial Visit	T-HUB	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 institution/ industry /research lab with contact details	Duration From	Duration To	Participant
on-the-job training	python certification program	Monac Infotech	05/08/2019	15/10/2019	83
on-the-job training	Campus Recuremint Traning	Face Acadamy	28/06/2019	01/08/2019	86
Project work	Mini Project Work	Monac Infotech	01/06/2019	01/08/2019	87
Linkages with institution	mou	BRILLANT GRAMMAR SCHOOL EDUCATIONAL SOCIETYS GROUP OF INSTITUTIONS	16/07/2018	15/07/2021	26
EXPERT LECTURE	COMPUTER ORIENTED STATESTICAL METHODS	Dr.P.Srinivas,BIET,HYD	11/04/2019	11/04/2019	61
EXPERT LECTURE	COMPUTER ORGANIZATION AND ARCHITECTURE	R.RAVINDER REDDY,PROFESOR CSE DEPT ,CBIT,HYD	11/11/2019	11/11/2019	49
EXPERT LECTURE	DATA COMMUNICATION AND COMPUTER NETWORKS	JABBAR,KLU ,VIJAYAWADA	18/11/2019	18/11/2019	45
RESEARCH ORIENTED PROJECT WORK	MAJOR PROJECTS	WEB TECH LABS	23/01/2019	08/04/2019	98
industry oriented mini project	INTERNSHIP	MONAC INFOTECH PRIVATE LIMITED	21/01/2019	09/04/2019	85
EXPERT LECTURE	SOFT SKILLS	MURALIDHAR ,A.M.I	15/06/2019	15/06/2019	60
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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
Future gen technologies	25/07/2014	RESEARCH EXTENSION	210

GREAT MOVES	15/07/2013	RESEARCH EXTENSION AND INNOVATION	20
BRILLANT GRAMMAR SCHOOL EDUCATIONAL SOCIETYS GROUP OF INSTITUTIONS	16/07/2018	facuity exchange , stundet exchange RESEARCH EXTENSION activities	42
web Tek labs PVT LTD	30/01/2020	RESEARCH EXTENSION	48
ASK TRAINING SERVICES	24/02/2020	RESEARCH EXTENSION	39
INNOVATIV SYSTEMS	27/07/2018	RESEARCH EXTENSION	28
THE FEDERATION OF TELANGANA AND ANDHRA PRADESH CHAMGER OF COMMERRCE AND INDUSTRY HYDERABAD	28/09/2018	INDIAN-TODAY	9
COIGN	15/07/2018	REAL TIME MARKET TOOLS INTRODUCTION	30
IBeON INFOTECH	14/08/2016	RESEARCH EDUCATION	60
GREEN LIFE ENERGY SOLUTIONS LLP	24/07/2014	RESEARCH EXTENSION	20
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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
11700000	11418876

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
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh)	Existing

								GBPS)	
Existing	556	17	1	1	1	15	15	100	0
Added	0	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://aietg.ac.in/python

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
3313200	3060203	23316060	20308377

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)

<p>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.</p> <p style="text-align: center;">http://aietg.ac.in/procedures</p>
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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	TELANGANA STATE GOVERNMENT SCHOLARSHIP	844	31416000
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 implementation	Number of students enrolled	Agencies involved
PERSONALITY DEVELOPMENT COUNSELLING	29/08/2020	242	ART OF LIVING
Yoga and meditation	21/06/2019	80	Brahma Kumaris Raja Yoga Meditation Centre
Python Programming	15/07/2019	250	AVANTHI INSTITUTE OF ENGG AND TECH
Guidance for competitive examinations	12/09/2020	488	AVANTHI INSTITUTE OF ENGG AND TECH
Career Counselling	15/07/2019	488	FACE
Soft skill development	15/07/2019	488	FACE

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	CRT	366	366	32	323
2019	Cognizant	366	Nil	15	15
2019	amazon	366	Nil	17	17
2019	eidiko	366	Nil	29	29
2019	TCS	366	Nil	6	6
2019	HCL	366	Nil	19	19

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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
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations	Number of students	Number of students placed	Name of organizations	Number of students	Number of students placed

visited	participated		visited	participated	
58	488	369	4	50	19
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	2	MS ,MTECH	MECH	-	2
2020	3	MS ,MTECH	ECE	-	3
2020	1	MS	EEE	-	1
2020	6	MS	CSE	-	6
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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
GRE	5
SLET	5
TOFEL	3
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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	1200
TECHRESONANCE 2K20	NATIONAL LEVEL Level	1200
Engineers Day	Institute Level	689
Bathukamma Day	Institute Level	400
International Womens Day Celebrations	Institute Level	200
Teachers Day Celebrations	Institute Level	400
Independence Day Celebrations	Institute Level	600
Republic day Celebrations	Institute Level	500
Sports Day	Institute Level	800
Dance Competition	Institute Level	190
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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	Number of awards for	Student ID number	Name of the student
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			Sports	Cultural		
2020	CHESS	National	1	Nil	16Q61A0411	BODDU RANJITH GOUD
2020	VOLLEY BALL	National	1	Nil	16Q61A0428	G.MURALI SAI
2020	CRICKET	National	1	Nil	16Q61A0413	CHELUMALLA ARAVIND
2019	DANCE + VIZAG	National	Nil	1	16Q61A0581	THATIPARTHI PRAVEEN REDDY
2019	DANCE VIZAG	National	Nil	1	16Q61A0224	S.PRASHANTH
2019	CRICKET	National	1	Nil	16Q61A0337	VARLA RAJASHEKAR
2019	VOLLEY BALL	National	1	Nil	16Q61A0428	G.MURALI SAI

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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:

184

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

71000

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)

All the departments of the college function under the direct supervision of Principal. Decentralization has been done for department HoDs and Day-to-day academic activities of the departments are taken care of by the HoDs. Under direct supervision of Principal, Administrative office, examination section, central library and all the UG and PG departments will be functioning. Time to time principal conducts meetings with the concerned incharges/HoDs and at department level, heads/concerned in-charges will conduct the meeting with the concerned members to discuss various issues and resolutions made will be passed on to principal for further action. similarly, the outcomes of Principal meeting will be passed on to individual faculty/staff for implementation. The following committees are in existence to decentralize the academic and administrative activities. 1. IQAC 2. Finance Committee 3. Disciplinary and Anti-Ragging Committee 4. Grievance and Redressal Committee 5. Internal complaint committee 6. Purchasing Committee 7. R D Committee 8. Innovation, Incubation and Entrepreneurship Committee 9. Skill development committee 10. Training and placement committee 11. Library Committee 12. NSS committee 13. Sports Committee 14. SC/ST Committee Grievance and Redressal Committee

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
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.
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.
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)
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 2019-20.

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.

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 marks 25 and 75 Assignments are evaluated as Internal evaluation Mini and Major projects are also evaluated on Internal and External basis.

Admission of Students

Students who shine in their twelfth standard examinations and who aspire for an engineering study are most welcome to our institution for furthering their career prospects.

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

E-governance area	Details
<p>Planning and Development</p>	<p>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.</p>
<p>Administration</p>	<p>Maintains organization record of all students, teaching, non teaching of the college. Notice display system implements students and other stockholders.</p>
<p>Finance and Accounts</p>	<p>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.</p>
<p>Student Admission and Support</p>	<p>ASDC maintains organization record of all students and faculties of the college. Implemented online CBCS semester information system UG/PG courses.</p>
<p>Examination</p>	<p>Examination Branch Maintains organization student results, exam seating plan generation, nominal rolls generation etc. Entry in service facility of competitive examinations</p>

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
2019	K. Srinivas	Artificial Intelligence(5 Days)	JNTUH	1200
2019	J S V GOPALA SHARMA	Faculty orientation programme conducted by Mahatma Gandhi National Council of Rural Education	NIL	1500
2019	MATHALA SATISH	TRANSMISION PRICING IN POWER SYSTEM DEREGULATION	NIL	2000
2019	KOMATI CHANDRA SHEKAR	DESIGN OF POWER SWITCHED CONVERTERS FOR RENEWAL ENERGY APPLICATIONS	NIL	1500
2020	V SATYAVARDHAN RAO	ADVANCED DATA PROCESSING USING ML, ANN DL	NIL	1500
2020	YELURI RAMESH	CAD/CAE and its applications using AutoCAD ANSYS	NIL	1500
2020	M SHIREESHA	EDUCATION LEARNING AND RESEARCH RESOURCES	NIL	1500
2020	SILVERU RAMBABU	Entrepreneurs hip	NIL	1500
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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	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	teaching staff	non-teaching staff				
2019	FDP - Data Science and exploratory data analysis with R and Python	NIL	07/06/2019	08/06/2019	26	Nil
2019	Workshop on creating Time Table, Discipline and maintenance of rooms	NIL	10/07/2019	10/07/2019	Nil	12
2020	Training on Administrative planning on using E-resourced	NIL	24/01/2020	24/01/2020	24	15
2019	Advances In Manufacturing And 3D Printing	NIL	13/06/2019	04/07/2019	29	Nil
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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
Program on Case Study Analysis and Writing Skills	31	28/07/2020	04/08/2020	6
STTP on statistical Analysis in SPSS Software	24	01/06/2020	06/06/2020	6
Improving Learning Capabilities and Human Values Professional Ethics in Higher Education	22	15/07/2019	20/07/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
132	132	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
04	70000	Student Fest Activites

[View File](#)

6.4.3 – Total corpus fund generated

252000

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	NIL	Yes	CAC

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

A strong Parent Teacher Association is existing in Avanthi Institute of Engineering Technology. It helps and cooperates with the Institution in the welfare of students and provide support for improvement in the academic activities and infrastructural facilities. Objectives of the Association are 1) To work for the welfare of the students, Teachers and for the development of the Institution. 2) To create and promote healthy relationship among the members of teaching staff, students and parents 3) To promote the activities of the Training and Placement Cell and to conduct seminars and training programs for the students through the contacts of parents

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 retention
 2 Expansion of Academic Infrastructure by Renovation through modernization of laboratories along with dry lab and research laboratories in line with Industrial requirements, restructuring of lecture halls, seminar / conference spaces for providing a research platform for students and faculty and also library extension with reading hall.
 3 Introduction of new courses i.e. Artificial Intelligence and Machine Learning, and Data Sciences which enhanced and strengthened the research profile of the college. Encouraging students for registration into various knowledge societies like Telangana Association of Skills and Knowledge (TASK), Hyderabad Management Association (HMA), Indian Society for Technical
 4 Motivating and supporting the students for acquiring entrepreneurial capacities by establishing student development centre.
 5 College have contributed for the industry institute collaboration by strengthening the interaction between institution and other educational research institutes With the increased networking and interaction by the CGPC for enabling the students to have greater accessibility for Off-Campus Recruitment Drives and placements.
 6 Career opportunity and employability enhancement skill training workshops are organized for students. Many of our students have benefited and secured jobs in both government and private sector.

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
2019	FACTS FINDING COMMITTEE INSPECTION	13/05/2019	17/05/2019	18/05/2019	150
2019	SALES FORCE WORKSHOP	25/10/2019	28/10/2019	02/11/2019	86
2019	CYBER SECURITY FORENSIC	02/12/2019	05/12/2019	07/12/2019	45
2019	FACULTY DEVELOPMENT PROGRAM	14/12/2019	16/12/2019	21/12/2019	60
2020	PARTICIPATION IN INDIA TODAY RANKING	01/02/2020	03/02/2020	05/02/2020	100

2019	Nil	1	15/06/2019	1	World Environment Day	Plantation	152
2019	Nil	1	27/07/2019	1	Awareness Programme	Ban the Polythene	112
2020	Nil	1	06/01/2020	1	Awareness Programme	Literacy Camp	132
2020	Nil	1	24/02/2020	1	Awareness Programme	GST	85

[View File](#)

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	12/08/2019	<p>4. CODE OF CONDUCT 4.1 DO's</p> <ul style="list-style-type: none"> • 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

		<p>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.</p>
<p>Code of conduct for Students</p>	<p>29/07/2019</p>	<p>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'</p>

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 monetary transactions with any student or parent.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Tree Plantation Drive On World Environment Day	05/06/2019	05/06/2019	121
Independence Day Celebrations	15/08/2019	15/08/2019	123
Awareness Program on National Peace On The Occasion of Birth Anniversary of Mahatma Gandhi	02/10/2019	02/10/2019	52
Corruption Free India On International AntiCorruption Day	10/12/2019	10/12/2019	110
Republic Day Celebrations	26/01/2020	26/01/2020	82
Women's Day Celebrations	07/03/2020	07/03/2020	120
National Mathematics Day	21/12/2019	21/12/2019	145
National Voters Day	25/01/2020	25/01/2020	72
Engineers Day	14/09/2019	14/09/2019	154

[View File](#)

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

Response: The best practices identified are as follows: BEST PRACTICE - I :Courses that enhance Employability Skills I. Employability Skills Development Title of the Practice: Training programs for students to enhance their skill sets for a holistic development Objectives of the Practice: • train students on life skills so that they can excel in their academics and also in the careers of their choice. • To train for Campus Recruitments The Context: • Students from vernacular backgrounds need additional training to acquire the skills expected by recruiting companies. • Most of the students admitted through lateral-entry i.e., with a diploma qualification, need more grooming to perform on-par with the other students. • To provide requisite training for students to improve their prospects of being recruited in Product Development and/or Consulting and service-based companies. The Practice: The Institution provides well-structured skill training programs for students of all branches of B.E, M.E./M.Tech and MCA beginning from their initial semesters itself, which helps them learn progressively. The details of the training programs are mentioned below: • English language and communication skill course is part of the curriculum, in I and II Semesters, which help in honing the communication skills of the students. A class of 60 students is divided into 3 batches of 20 each and they are given ear- training in the Phonetics lab, thus enabling them to get rid of their mother tongue influence when speaking in English. In the Interactive Communication skills lab students actively participate in group discussions, public speaking, debates and presentations, while in the Reading lab students are taught various comprehension strategies to enable them to read different text types. . • The third-party training partners also take care of providing on-line resources like on-line videos and on-line practice tests every week and they also monitor the performance of the students in the online tests. They share the reports of the performance of the students in the on-line tests with the respective departments. BEST PRACTICE - II: Attaining Academic Excellence through Faculty Advanced Learning Programmes Title of the Practice: Encouraging faculty members to enhance their knowledge and upgrade their skills in their respective fields. Objectives of the Practice: Help the faculty members to enhance and update their domain knowledge Students benefit from

their teachers who have the enhanced their knowledge levels through the additional courses they undertake. The Context: Improving the quality of the Teaching-Learning Process in the Institution. The Practice: Faculty members are encouraged to carry out research work and pursue Ph.D degree in their areas of specialization. Towards this initiative, the faculty members are given paid leave from 90 days to 180 days and/or reduction of workload. They are also provided with financial support of up to Rs.15,000/- towards tuition fee, contingency, Thesis preparation, etc. • The Institution encourages faculty to attend Faculty Development Programs (FDPs) on Pedagogy, Outcome-Based Education (OBE), Research Methodologies, and recent developments in the domain specific areas etc. They are also encouraged to attend Orientation courses, Refresher courses, Workshops, Training Programmes on recent and emerging technologies to update their knowledge and skills. • The Institution enables faculty members to present/publish research papers in national and international conferences and also in journals with high impact factor. Faculty members who wish to attend conferences for presenting their research work either within the country or in other countries are encouraged by providing them with financial support to meet the expenditure towards registration, accommodation, etc. • Faculty members are deputed to various programmes conducted by industries so that they acquire training in latest technologies, as part of the Train-the-Trainer programmes. • Faculty members are provided with registration fee, Travel Allowance (TA), Daily Allowance(DA) and On-duty/Academic leave for attending all the above programmes. • Faculty members are encouraged to register for on-line courses offered by NPTEL/Coursera and other reputed service providers for strengthening and updating their subject knowledge. They need to complete at least one on-line certification course in each semester. Management has also announced incentives to be given to faculty members who complete NPTEL course(s) with Elite and Gold certification, Elite, Gold and top 2 certification and Elite, Gold and top 1 certification.

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

<http://aietg.ac.in/assets/pdf/7.2.1.pdf>

7.3 – Institutional Distinctiveness

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

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://aietg.ac.in/assets/pdf/7.3.1.pdf>

8.Future Plans of Actions for Next Academic Year

1. Curricular Aspect : To adopt more delivery methods for better curricular delivery and improve results and add few more value added courses
2. Teaching learning and Evaluation : To start free coaching for State civil services and Gate Exams.
3. Research, Consultancy and Extension : To organize AICTE Sponsored Seminars Conferences.
4. Increase association with Alumni for Academic, Training in latest Technologies Placements of College.
5. Planning for new and latest courses like AIML, Data Science, Cyber Security and IOT etc..
6. Applied for NCC.