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

S.No	Description	Page No
1	Academic & Administrative Audit Report and Academic Audit Report -EEE	1-47
2	Academic & Administrative Audit Report and Academic Audit Report -MECH	48-95
3	Academic & Administrative Audit Report and Academic Audit Report -ECE	96-142
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5	Academic & Administrative Audit Report and Academic Audit Report -MBA	196-231
6	Action Report Plan of Audit	232-236

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMET

(2023-2024)

1. Name of the Department: **ELECTRICAL & ELECTRONICS ENGINEERING**
2. Year of establishment: **2002**
3. Programmes offered: **B Tech, M Tech(PE), M Tech(PS)**
4. Details of participation of fulltime teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council:

Academic Year	Name of Faculty	Name of the body in which fulltime teacher participated	RELEVANT LINK
2023-24	G.Rajasekar yadav	Certificate Course coordinator for Hybrid Electric Vehicles (HEVs): Trends and Technology	https://avanthienggcollege.ac.in/assets/pdf/pdf2/hybrielectricvehicles_2023-24.pdf
2023-24	K.Durga rao	Certificate Course coordinator for Hybrid Electric Vehicles (HEVs): Trends and Technology	https://avanthienggcollege.ac.in/assets/pdf/pdf2/hybrielectricvehicles_2023-24.pdf
2023-24	P.Varahala Dora	Certificate Course coordinator for AUTOMATION AND IOT IN ELECTRICAL SYSTEMS	https://avanthienggcollege.ac.in/assets/pdf/pdf2/automationandiot_2023-24.pdf
2023-24	S.Sujatha Devi	Certificate Course coordinator for AUTOMATION AND IOT IN ELECTRICAL SYSTEMS	https://avanthienggcollege.ac.in/assets/pdf/pdf2/automationandiot_2023-24.pdf

5. Details of new Courses introduced of the total number of courses across all Programmes offered by the department:

Name of the new course introduced in last A.Y.	Program name	Program code	Course code	Year of introduction	Link the relevant document
NIL					

AVANTHI INSTITUTE OF ENGG. & TECH. SEAL TAMARAM

6. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

Name of all programs	Whether adopting CBCS course system(yes/no)	Whether adopting electivecourse system(yes/no)	Program Code	Year of implementation ofCBCS/ elective course system	Link the relevant document
B.Tech in Electrical and Electronics Engineering	Yes	Yes	02	2016-17	http://avanthienggcollege.ac.in/academic_flixbility
M. Tech in Power Electronics	Yes	Yes	43	2016-17	http://avanthienggcollege.ac.in/academic_flixbility
M. Tech in Power Systems	Yes	Yes	56	2016-17	http://avanthienggcollege.ac.in/academic_flixbility

7. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

Year	Title of the programme (with 30 or more contact hours)	Type of the programme (Certificate/ Diploma programs/ Add-on programs)	Total Number of students enrolled in certificate or diploma or add-on programs	Link to the relevant document
2023-24	Hybrid Electric Vehicles (HEVs): Trends and Technology	Certificate program	**83**	**https://avanthienggcollege.ac.in/assets/pdf/pdf2/hybriclectricvehicles_2023-24.pdf**
2023-24	AUTOMATION AND IOT IN ELECTRICAL SYSTEMS	Certificate program	55	**https://avanthienggcollege.ac.in/assets/pdf/pdf2/automationandiot_2023-24.pdf**

8. Details of value added courses imparting transferable and life skills:

SNo	Name of the value added courses offered during last years	Course Code	Year of offering	Number of students enrolled in the year	Number of students completing the course in the year
1	Hybrid Electric Vehicles (HEVs): Trends and Technology	AM2324EEE01	2023-24	83	83
2	AUTOMATION AND IOT IN ELECTRICAL SYSTEMS	AM2324EEE02	2023-24	55	55

9. Details of the students undertaking field projects/ internships:

Programname	No of students undertaking field projects /internships	Link the relevant document
B Tech in Electrical & Electronics Engineering	34	https://avanthienggcollege.ac.in/assets/iqac/1.3.3_AI.pdf

10. Analysis with action taken report of feedback received from different stakeholders i.e. students,Alumni, Employer and teachers.

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1.	Students	EEE	Students requested for the flexibility in curriculum emphasizes greatly on the skill development	The institute has conducted more workshops training Programs with experts to develop the skill in the students	https://avanthienggcollege.ac.in/assets/student24/STUDENT%20FEEDBACK%20ACTION%20TAKEN%20REPORT_ME.pdf
2.	Students	EEE	Students requested that lab experiments improved to company standards	The institute insists the faculty to extract the new technology based lab experiments in addition to the curriculum	
3.	Students	EEE	Provide enough skills ion design and problem solving techniques	The institute provides facilities toward R&D to enhance the student skills	
4.	Students	EEE	Students requested to provide more industrial visits	The institute decided to arrange more industrials visits	
5.	Teachers	EEE	Power system Analysis	Artificial intelligence models in PSA suggested to be added in the syllabus	https://avanthienggcollege.ac.in/assets/student24/curr_develop_eee.pdf
6.	Teachers	EEE	Digital Control systems	Requested to add software technologies for complex control systems in the syllabus	
7.	Teachers	EEE	Electric Drives	Recommended to add sensor less control of ED and application of advanced control methodologies (Fuzzy, Neural,Robhust, Predictive etc..) for high performance control of Ed in the syllabus	
8.	Teachers	EEE	Power Electronics	Modular Multi level converters, Transformers less inverters for solar PV application suggested to be added in the syllabus	
9.	Teachers	EEE	Switch Gear & Protection	Digital Protection of PS has to be added in the syallabus	
10.	Teachers	EEE	Power Systems II	Conductor parameter studies conductor weight Elastic, plastic, Thermal Elongation suggested to be added in the syllabus	
11.	Teachers	EEE	HVDC Transmission	Advanced control strategies of VSC based HVDC transmission system, HVDC systems in Smart Grids has to be added in the syllabus	
12.	Teachers	EEE	PS I	Micro Hydro Gravitational vertex electric power turbine has to be added in the syllabus	
13.	Teachers	EEE	Induction & Synchronous Machines	Robust Non linear receding horizon control of permenanent magnet synchronous machine and sensoe less control of IPMSM at Low Speed Suggested to be added in the syllabus	
14.	Alumni	EEE	Alumni Meets should be conducted on Regular Basis	The college has taken initiative to conduct regular alumni meet in college	
15.	Alumni	EEE	College should invite alumni as guest speakers and interact with the current students and share their success mantras	On several Occasions Alumni were invited as Guest speakers and resource persons	https://avanthienggcollege.ac.in/assets/student24/alumni_
16.	Alumni	EEE	Alumni suggested that industry and student	The institute encourages more industrial visits and also invite the	

			interaction to be increased	industrial persona s speakers to enhance the industrial knowledge among the students	feedback%20action%20taken_eee.pdf
17.	Alumni	EEE	Alumni recommended that new programs Emphasizing on cutting edge technologies and to cater industry needs	The institute had conducted more certificate courses on new technologies which full fills the industry needs among the students	
18.	Employers	EEE	Need to improve coding skills	Planned to conduct in-house Training session from soft skill trainers for improving soft skills	
19.	Employers	EEE	The students are be strong in their aptitude skills	Intensive training on aptitude training was planned for the next academic year	
20.	Employers	EEE	Need to focus on core competency. Work on soft skills and communication skills	Focus is given on enhancing student's communication skills and programming solving skills.	
21.	Employers	EEE	Industry orientated course work on advanced topics like AI and ML	It is decided to conduct value added courses on Latest softwares	https://avanthienggcollege.ac.in/assets/student24/employeer_action%20taken_cse.pdf
22.	Employers	EEE	Work on hands on tools like C and C#	Students were given special training in C and C++ Programming skills	
23.	Employers	EEE	Analytical skills and Communication skills	Students were encouraged to come up with real time engineering problems and think of probable solutions.	
24.	Employers	EEE	Need to introduce Internships	As an affiliated institution we are able unable to introduce new courses instead of that we are encourage students towards internships during semester breaks. For industrials exposure to students we are planning industrial visits to all students and providing guest lecturers from industry experts.	

11. umber of students from other States and Countries admitted in the department:

Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
2023-24	0	0	----------

12. Total number of students in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2023-24	B Tech, Electrical And Electronics Engineering	02	60	34
2023-24	M.Tech PE	43	24	1

2023-24	M.Tech PS	56	18	0

13. Number of seats filled against seats reserved for various categories (including Divyangjan) inthe department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
60	2023-24	6	2	11	0	0	4	30	0

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
NIL	NIL	NIL	NIL	NIL	NIL	NIL

14. Special programmes conducted by the department for advanced learners and slow learners:

Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners it is well-acknowledged fact that in every year diversified students from different backgrounds join the institute. The ability of learning of the students is highly influenced by their background as well as their personal abilities and other attributes. The institute has developed a structured mechanism for assessing the learning levels of the students and continuously monitors the same for improving their academic as well as overall performance. Efforts to identify the students' learning levels: Students are made aware of the requisites by the faculty members. The initial informal interaction during Induction Program just after their entry. Coupled with continuous evaluation helps the teachers to assess the learning level of the students and identify and differentiate the slow learners and advanced learners in the classroom.

Program for slow learners: Each mentor is assigned with a group of students per year to provide counseling for improvement. The humanities department arranges spoken English classes for the benefit of those whose proficiency in English is low. The different departments of AIET conduct remedial classes and provide course notes for students who are slow learners.

15. Student- Full time teacher ratio:

Upload Faculty List with details like designation, experience, qualification, other states,Awards and recognition, ICT tools used, etc
Proofs required - Approval letters, Qualification certificate, PG/PhD Recognition, ExperienceLetters - Faculty Data and relevant proof
https://avanthicnggcollege.ac.in/faculties_list

Year	Number of students enrolled in the department(UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	STR
2023-24	34	01	16	3	5	1:3

16. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled
Professor	2	2
Associate Professor	0	0
Assistant Professor	14	14
Total	16	16

17. Number of full time teachers with Ph.D. degree:

Year	Total No. Full time teachers	No. of teachers with PhD
2023-24	16	1

18. Details of full time teachers who received awards, recognition, fellowship at State, National,International level from government, recognized bodies:

Year	No. of Fulltime Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2023-24	16	1	

19. Number of full time teachers from other States against sanctioned posts:

Year	No. of Full time Teachers	No. of teachers from other states
2023-24	16	Nil

20. Details of examination related grievances received if any. Nil

AVANTHI INSTITUTE OF ENGG. & TECH. TAMARAM

21. Adherence to the academic calendar: http://avanthienggcollege.ac.in/curriculam_planing

22. Result Analysis:

Program Code	Program Name	Level/ Semester	Number of students appeared in the exam	Number of students passed in the exam
02	Bachelor in Electrical & Electronics Engineering	IV Year	33	22

23. Total Grant received for research projects sponsored by the government and the non- government sources such as industry, corporate houses, international bodies, endowments, Chairs

SN	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the projet	Name of the Funding Agency	Type (Government/ non-Government)	Relevant Document link
1	DC Charger Power Module 20kw	Dr T Srinivasa rao,Principal Investigator, P Varahala Dora Co-investivator	EEE	ON GOING	2 Lakh	2YEARS	PHYTEC Embedded Pvt Ltd, Bangalore	Non Government	

24. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices:

Workshops/Seminars Conducted

SN	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-AcademiaInnovative practices)	Link
1	2023-24	A Seminar on How to Build a Start up	24-06-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
2	2023-24	A Workshop on Smartboard for the Smarter Teaching	01-07-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
3	2023-24	A Workshop on Emerging Trends in	27-9-2023	IPR	https://avanthienggcollege.ac.in/a

25.		IPR regime			ssets/iqac/3.1.3_AI.pdf
4	2023-24	A THREE DAY WORKSHOP ON "FINANCIAL WELLNESS"	7-3-2024	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf

25. Details of incentives to teachers who receive state, national and international recognition/awards:

Sr. No.	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
1	Dr T Srinivasa Rao	BHISHMA ACHARYA AWARD	Bharat Education Awards
2	Dr T Srinivasa Rao	MASTER EDUCCATOR IN ACADEMIC LEADERSHIP AWARD	ARTIFICIAL INTELLIGENCE MEDICAL & ENGINEERING RESEARCHERS SOCIETY

26. Details of research papers published by teachers in the Journals notified on

UGC

SN	Title of paper	Name of the author/s	Department of theteacher	Name of journal	Yearof publication	ISBN /ISSN number	Linkof the recognition inUGC enlistment of the Journal
1	Implementation of Five Level Inverter for Single Stage Grid connected 1MW PV System	Dr T Srinivasa Rao1, Varahala Dora Petla2	Electrical and Electronics engineering (EEE)	Neuro Quantology	Jun-22	ISSN:1303-5150	https://www.neuroquantology.com/open-access/Implementation+of+Five+Level+Inverter+for+Single+Stage+Grid+connected+1MW+PV+System_11209/?download=true
2	Design of Five-level inverter with TSK based Single	Dr T Srinivasa Rao1, Varahala Dora Petla2	Electrical and Electronics engineering (EEE)	NCDT 2023 | 1st National Conference on Design Thinking: Trans-Disciplinary	7-8 July 2023	ISBN: 978-93-5915-224-0	https://exams.andhrauniversity.edu.in/filestorage/aut-hub/conference-papers/NC236478996F2514A.pdf

				Challenges & Opportunities			

27. Details of books and chapters in edited volumes/books published and papers in national/international conference:

Upload relevant documents here_Publications/Books/Patents

SN	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
01	S.Rishkesh	MODELING, ANALYSIS AND FABRICATION OF HOTEL SERVICING ROBOT	MODELING, ANALYSIS AND FABRICATION OF HOTEL SERVICING ROBOT	IIP Series, Volume 3, Book 4, Part 4 ,Chapter 1		international	2024	e-ISBN: 978-93-5747-908-0	Avanthi Institute of Engineering and Technology, Makavarapalem	IIP Series	
02	Varahala Dora Petla	GRID INTEGRATION OF RENEWABLE ENERGY SYSTEM WITH ARTIFICIAL NEURAL NETWORK CONTROL	GRID INTEGRATION OF RENEWABLE ENERGY SYSTEM WITH ARTIFICIAL NEURAL NETWORK CONTROL	IIP Series, Volume 3, Book 4, Part 3, Chapter 3	Futuristic Trends in Renewable & Sustainable Energy	International	2024	e-ISBN: 978-93-6252-602-1	Avanthi Institute of Engineering and Technology, Makavarapalem	IIP Series	https://www.iipseries.org/searching.php?type=title&key=GRID%20INTEGRATION%20OF%20RENEWABLE%20ENERGY%20SYSTEM%20WITH%20ARTIFICIAL%20NEURAL%20NETWORK%20CONTROL

											#resultsection

28. Total number of awards and recognition received for extension activities from Government/recognized bodies:

Upload relevant Documents here_Extension Activities

SN	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty	Proof
1	BHISHMA ACHARYA AWARD	BHISHMA ACHARYA AWARD	Bharat Education Awards	2023	Dr T Srinivasa Rao	
2	MASTER EDUCCATOR IN ACADEMIC LEADERSHIP AWARD	MASTER EDUCCATOR IN ACADEMIC LEADERSHIP AWARD	ARTIFICIAL INTELLIGENCE MEDICAL & ENGINEERING RESEARCHERS SOCIETY	2023	Dr T Srinivasa Rao	

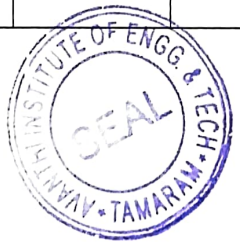
29. Details of extension and outreached Programmes conducted in collaboration with industry,community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

https://avanthienggcollege.ac.in/nss

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	15
2.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT	NCC	2023	1	1

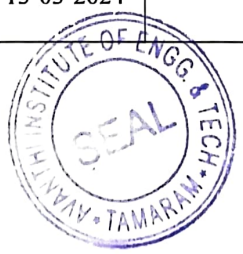
	CERTIFICATE				
3.	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	2023	1	2
4.	YOGA DAY	NSS	06-05-2023	20	125
5.	**International YOGA DAY**	NSS	21-06-2023	30	214
6.	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	09-08-2023	50	245
7.	DAY-2 : Taking the Panch Pran Pledge	NSS	10-08-2023	55	234
8.	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	11-08-2023	40	225
9.	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves /retired defence personnel	NSS	14-08-2023	45	245
10.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	15-08-2023	30	185
11.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	16-08-2023	30	176
12.	DAY-6 : Online Pledge and	NSS	17-08-2023	40	167

	Planting a Tree				
13.	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	18-08-2023	50	246
14.	DAY-8 : Video of NSS Participatio n in Various Events	NSS	19-08-2023	45	214
15.	DAY-9 : Use of Taglines #Maatikona man, #veeronkav andan on Social Media	NSS	20-08-2023	50	222
16.	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	2023	1	17
17.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFIC ATE	NCC	2023	1	1
18.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFIC ATE	NCC	31-08-2023	40	245
19.	Tree Plantation	NSS	21-09-2023	50	234
20.	DAY- 1 : Swachhta Cleaning Activity in Institute	NSS	22-09-2023	55	225



	Premises				
21.	DAY - 2 : Single-use Plastic Awareness Programme	NSS	23-09-2023	55	145
22.	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	25-09-2023	50	167
23.	DAY - 4 : Social Media Awareness on Cleanliness	NSS	26-09-2023	40	142
24.	DAY - 5 : Swachhta Cleaning Activity	NSS	27-09-2023	55	242
25.	DAY - 6 : Swachhta Pledge Taking Event	NSS	29-09-2023	70	324
26.	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	30-09-2023	50	214
27.	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	31-10-2023	30	176
28.	Sardar Vallabhai Patel Birth Anniversary	NSS	25-11-2023	30	125
29.	National Constitution Day	NSS	30-12-2023	30	224
30.	Voter Registration Awareness	NSS	26-01-2024	95	325

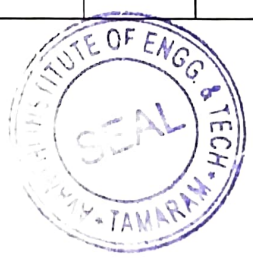
31.	Republic Day	NSS	30-01-2024	30	115
32.	EDU Youth Meet (Gitam University)	NSS	2024	1	2
33.	COMBINED ANNUAL TRAING CAMP - II	NCC	2024	2	16
34.	B - CERTIFICATES	NCC	05-09-2023	110	118
35.	Teacher's day	AIET, MAKAVARAPALEM	12-11-2023	40	43
36.	Women's day	AIET, MAKAVARAPALEM	15-09-2023	70	118
37.	Engineer's day	AIET, MAKAVARAPALEM	29-08-2023	40	62
38.	Sport's day	AIET, MAKAVARAPALEM	14-09-2023	40	132
39.	Enti ragging awarness	AIET, MAKAVARAPALEM	09-12-2023	40	124
40.	Industrial safety awarness	AIET, MAKAVARAPALEM	26-11-2023	40	129
41.	National constitutional day	AIET, MAKAVARAPALEM	27-11-2023	40	76
42.	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	25-01-2024	60	158
43.	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	11-01-2023	90	563
44.	Pongal celebrations	AIET, MAKAVARAPALEM	19-12-2023	75	476
45.	VIKSIT BHARAT	AIET, MAKAVARAPALEM	13-03-2024	75	496



30. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	Name of the activity	Organising unit/agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities	Proof
1.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	**15**	
2.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	**1**	
3.	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	DDG,NCC,AP&T DIRECTORATE, SECUNDERABAD	2023	**2**	
4.	YOGA DAY	NSS	YOGA DAY	06-05-2023	**125**	
5.	**International YOGA DAY**	NSS	International YOGA DAY	21-06-2023	214	
6.	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	Independence day	09-08-2023	245	
7.	DAY-2 : Taking the Panch Pran Pledge	NSS	Independence day	10-08-2023	234	
8.	DAY-3 :	NSS	Independ	11-08-2023	225	

	Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees		ence day			
9.	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	Independence day	14-08-2023	245	
10.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	Independence day	15-08-2023	185	
11.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	Independence day	16-08-2023	176	
12.	DAY-6 : Online Pledge and Planting a Tree	NSS	Independence day	17-08-2023	167	
13.	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	Independence day	18-08-2023	246	
14.	DAY-8 : Video of NSS Participation in Various Events	NSS	Independence day	19-08-2023	214	
15.	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social	NSS	Independence day	20-08-2023	222	



	Media					
16.	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	YUVA SHAKTI	2023	17	
17.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	1	
18.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	Tree Plantation	31-08-2023	245	
19.	Tree Plantation	NSS	Swachh Bharat	21-09-2023	234	
20.	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	Swachh Bharat	22-09-2023	225	
21.	DAY - 2 : Single-use Plastic Awareness Programme	NSS	Swachh Bharat	23-09-2023	145	
22.	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	Swachh Bharat	25-09-2023	167	
23.	DAY - 4 : Social Media Awareness on Cleanliness	NSS	Swachh Bharat	26-09-2023	142	

24.	DAY - 5 : Swachhta Cleaning Activity	NSS	Swachh Bharat	27-09-2023	242	
25.	DAY - 6 : Swachhta Pledge Taking Event	NSS	Swachh Bharat	29-09-2023	324	
26.	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	Swachh Bharat	30-09-2023	214	
27.	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	Sardar Vallabhai Patel Birth Anniversary	31-10-2023	176	
28.	Sardar Vallabhai Patel Birth Anniversary	NSS	National Constitution Day	25-11-2023	125	
29.	National Constitution Day	NSS	Voter Registration Awareness	30-12-2023	224	
30.	Voter Registration Awareness	NSS	Republic Day	26-01-2024	325	
31.	Republic Day	NSS	EDU Youth Meet (Gitam University)	30-01-2024	115	
32.	EDU Youth Meet (Gitam University)	NSS	14(A)BN NCC SRIKAKULAM	2024	2	
33.	COMBINED ANNUAL TRAING CAMP - II	NCC	B - CERTIFICATES	2024	16	
34.	B -	NCC	Teacher's	05-09-2023	118	

INSTITUTE OF ENGG. & TECH. SEAL TAMARAM

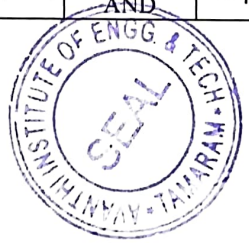
	CERTIFICATES		day			
35.	Teacher's day	AIET, MAKAVARAPALEM	Women's day	12-11-2023	43	
36.	Women's day	AIET, MAKAVARAPALEM	Engineer's day	15-09-2023	118	
37.	Engineer's day	AIET, MAKAVARAPALEM	Sport's day	29-08-2023	62	
38.	Sport's day	AIET, MAKAVARAPALEM	Anti ragging awarness	14-09-2023	132	
39.	Enti ragging awarness	AIET, MAKAVARAPALEM	Industrial safety awarness	09-12-2023	124	
40.	Industrial safety awarness	AIET, MAKAVARAPALEM	National constitutional day	26-11-2023	129	
41.	National constitutional day	AIET, MAKAVARAPALEM	Protection of girls hegine and cyber security	27-11-2023	76	
42.	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	VOTERS DAY	25-01-2024	158	
43.	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	Pongal celebrations	11-01-2023	563	
44.	Pongal celebrations	AIET, MAKAVARAPALEM	VIKSIT BHARAT	19-12-2023	476	
45.	VIKSIT BHARAT	AIET, MAKAVARAPALEM	pradhan mantri su-raj programme	13-03-2024	496	

31. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- jobtraining, research etc:

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commenc ement	Duration (From-To)	Nature of linkage
1	DATA SCIENCE MASTER VIRTUAL INTERNSHIP	EDUskills	2023	10 WEEKS	
2	ANDROID DEVELOPERVIRTUAL INTERNSHIP	EDUskills	2023	10 WEEKS	
3	INTERNSHIP TRAINING ON 2 WHEELER ELECTRIC VEHICLE TECHNOLOGY	VIHAN ELECTRIX	2024	12 WEEKS	

32. Details of functional MoUs with Institutions of national, international importance, otheruniversities, industries, corporate houses etc.:

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teacher s participated underMoUs
1	BENCH MARK ENGINEERING SOLUTIONS	BENCH MARK ENGINEERING SOLUTIONS	31-08-2023	1 YEAR AND EXTENDED	industrial Projects , Internships & Industry visits	110
2	NOVEL PATENT SERVICES	NOVEL PATENT SERVICES	27-05-2023	1 YEAR AND EXTENDED	For Patent Services for Faculty	128
3	EDU Skills	EDU Skills	30.11.2022	1 YEAR AND EXTENDED	For EDU Skills Membership Program	423
4	TALENTISE GLOBAL PRIVATE LIMITED	TALENTISE GLOBAL PRIVATE LIMITED	09.12.2022	1 YEAR AND EXTENDED	Campus placement	297
5	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	07.10.2021	1 YEAR AND EXTENDED	Training and visits	423
6	ELECTROPRO	ELECTROPRO	07.10.2021	1 YEAR AND EXTENDED	IOT TRAINING AND PROJECT IMPLEMENTATION	297
7	BYTEXL	BYTEXL	21.04.2021	1 YEAR AND EXTENDED	CRT TRAINING	297
8	SHA ASSOCIATES	SHA ASSOCIATES	10.09.2021	1 YEAR AND EXTENDED	industrial Projects & Consultancy	425
9	HOBEL BELLOWS	HOBEL BELLOWS	28.08.2021	1 YEAR AND EXTENDED	Campus placement	72
10	SYTIZEN TECH	SYTIZEN TECH	13.08.2021	1 YEAR AND	Campus placement	297



				EXTENDED		
11	INSIPREDGE	INSIPREDGE	02.09.2021	1 YEAR AND EXTENDED	Industrial visits and intership	297
12	MIRACLE SOFTWARE SOLUTIONS	MIRACLE SOFTWARE SOLUTIONS	22.02.2021	1 YEAR AND EXTENDED	Campus placement	138
13	BRANDIX	BRANDIX	10.08.2021	1 YEAR AND EXTENDED	Campus placement	297
14	SURYAVARDHAN INTEGRATIONS	SURYAVARDHAN INTEGRATIONS	21.09.2016 ONWARDS	1 YEAR AND EXTENDED	Industrial visits and intership	34
15	NICCO VENTURES LTD	NICCO VENTURES LTD	13.10.2020 ONWARDS	1 YEAR AND EXTENDED	Campus placement	297
16	APITA	APITA	14.12.2015 ONWARDS	1 YEAR AND EXTENDED	Campus placement and Skill development program	423
17	EMMUNAL GENERAL HOSPITAL	EMMUNAL GENERAL HOSPITAL	20.09.2015 ONWARDS	1 YEAR AND EXTENDED	GENERAL	ALL STUDENTS AND FACULTY
18	4C DESIGNENGG	4C DESIGNENGG	01.07.2019	01.07.2022	Skill development program	72
19	MECHNOGENT	MECHNOGENT	10.09.2019	10.09.2022	Skill development program	72
20	APSSDC	APSSDC	09.09.2019	09.09.2022	Campus placement and Skill development program	423

33. Details of departmental infrastructural & other facilities:

a. Departmental Library : YES

b. Institute Library: YES

c. Computers and Internet facilities for staffconnection of 100Mbps bandwidth- 12

d. Total number of class rooms-04

e. Class rooms with ICT facility-03

f. Students' laboratory: 12

g. Research laboratories- NIL

h. Seminar Hall-01

i. Smart class room-01

j. Any other facility LCDs,

34. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
139	60	2.31:1

35. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility

36. Details of maintenance of laboratory and classrooms:

The institute has well defined system of maintenance of its academic, physical and support like laboratory, library, sports, computers, class rooms etc. The maintenance committee headed by The Principal and convened administrative officer who intern monitor the work of supervisor involved in the maintenance of overall infrastructure facilities.The team looks after regular maintenance and repair of furniture, air conditioning systems and solar panels, plumbing, housekeeping, gardening, transport, RO plan. Regular cleaning of class rooms, floor, laboratories, library and rest rooms are done by housekeeping staff. The college has electricians & plumbers who maintain RO system, electrical and water facilities in college and hostel.The college has power backup with generator (93.2 KVA) and 120 KVA Roof Top solar panel power generation system is available in the campus. Maintenance of Laboratory equipment: ? The laboratory/workshop equipment and machinery are maintained by welltrained technical staff. The minor repair/service will be done by the technical staff with lab in- charges. Annually stock verification of all laboratories and other facilities are carried out. The computer laboratories are supported with power backup system UPS.

https://avanthienggcollege.ac.in/infrastracture

37. Number of students benefited by scholarships and freeships provided by the Government:

Name of the scheme	Number of students benefited by government scheme (Scholarships)	Number of students benefited by government scheme(freeships)	State Minority Scholarship	Merit Cum-Means Scholarship
BC		----------	----------	----------
EBC		----------	----------	----------
OC		----------	----------	----------
SC		----------	----------	----------
ST		----------	----------	----------
MINORITY		----------	----------	----------

38. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes:

Upload relevant Documents here_Freeships/Scholarships

Name of the scheme with contact information	Number of students benefited by non-government schemes
1) **Avanthi MKP Vasathi Deevena**	12
2) **Avanthi MKP Vahana Mitra**	6
3) **Avanthi MKP Vidya Deevena**	14

39. Number of students enrolled capability enhancement and development scheme:

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Soft Skills Development	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Remedial Coaching	03-05-2024	40	Mr.KSantosh kumar Assistant Professor,7989157802 AIET,Makavarapalem
Communication Skills	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Bridge Course	11-06-2023	30	PIXELWIND TECHNOLOGIES,Dwarakanagar Visakhapatnam, PH:9398929970
Yoga Sessions	20/11/2023	100	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067
Aptitude Training	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Reasoning Skill	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Technical Skills(C Programming,Python Programming)	10-05-2023	150	Mr.K Shankar,Visakhapatnam

40. Number of students in the department benefitted by guidance for competitive examinations andcareer counseling offered by the institution:

Year	Name of the scheme	Number of students benefited /attended/participated by career counseling/Competitiveexam activities
2023-24	Training for competitive exams(GATE/PGECET)/CAREER COUNSELLING	22

2023-24	Training for Career councling towards placements	22

41. Number of students attending Vocational Education and Training(VET)NIL

42. Minutes of the meetings of student redressal committee, prevention of sexual harassmentcommittee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
4	4	4

43. Number of outgoing students placed along with name of the employer with contact details:Link for relevant documents here_Placements and Higher Education

Number of students placed	Name of the employer with contact details	Package received (LPA)	Program graduated from
1	TCS	3.86	B Tech EEE
6	CAPE ELECTRIC	4	B Tech EEE
1	PREMIER ENERGIES GLOBAL PRIVATE LIMITED	2.2	B Tech EEE
1	MICRON ELECTRICALS	2.4	B Tech EEE
7	THERMOCABLES	2.8	B Tech EEE

44. Details of the students going for higher education:
Link for relevant documents here_Placements and Higher Education

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
1	B-TECH(EEE)	ELECTRICAL AND ELECTRONICS ENGINEERING	VIGNANS INSTITUTE OF ENGINEERING AND TECHNOLOGY ,DUVVADA.	M.TECH IN POWER ELECTRONICS.
1	B-TECH(EEE)	ELECTRICAL AND ELECTRONICS ENGINEERING	DADI INSTITUTE OF ENGINEERING &TECHNOLOGY	M.TECH IN PID
2	B-TECH(EEE)	ELECTRICAL AND	MVGR COLLEGE OF	M.TECH IN POWER

		ELECTRONICS ENGINEERING	ENGINEERING VIZIANAGARAM	ELECTRONICS.
1	B-TECH(EEE)	ELECTRICAL AND ELECTRONICS ENGINEERING	GMR INSTITUTE OF TECHNOLOGY ,RAJAMY	M.TECH IN POWER ELECTRONICS.

45. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

Number of students selected/ qualifying									State government examination
Registration /Roll No for theexam	**NET**	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOEFL/ IELTS**	**Civil Services**	
7494170265									PGCET
7494170278									PGCET
7494170299									PGCET
7494170582									PGCET
7494170651									PGCET
7494170554									PGCET
7494170441									PGCET
7494170251									PGCET
7494170662									PGCET
7494170675									PGCET
7494170685									PGCET
7494170701									PGCET

Number of students appearing									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
7494170265									PGCET
7494170278									PGCET
7494170299									PGCET
7494170582									PGCET
7494170651									PGCET
7494170554									PGCET
7494170441									PGCET
7494170251									PGCET
7494170662									PGCET
7494170675									PGCET
7494170685									PGCET
7494170701									PGCET

46. Number of awards/medals for outstanding performance in sports/cultural activities at national
/ international level:
Link for relevant documents here- Students achievements

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Adhaar Number/Admission Number
2nd place	National	Essay writing in avensis 2K24	Agraharapu Navya	1	22811A0201
Silver medal	National	Carroms	Alugu Lavanya	1	22811A0202

47. Details of the student council and the departmental student chapters:

https://avanthienggcollege.ac.in/assets/iqac/5.3.2%20new.pdf

48. Number of sports and cultural activities/competitions organized at the institution level

Sr. No.	Name of the activity	Event Date
1	VOLLEY BALL-BOYS	93
2	BASKET BALL-BOYS	80
3	CRICKET-BOYS	101
4	KABADDI-BOYS	84
5	KHO-KHO-BOYS	65

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6	TABLE TENNIS SINGLES-BOYS	38
7	TABLE TENNIS-BOYS	42
8	BADMINTON SINGLES-BOYS	39
9	BADMINTON-BOYS	35
10	CHESS-BOYS	32
11	CARROM-BOYS	42
12	LONG JUMP-BOYS	20
13	DISC THROW-BOYS	28
14	SHOT PUT-BOYS	20
15	100M RUNNING-BOYS	16
16	200M RUNNING-BOYS	16
17	400M RUNNING-BOYS	16
18	BADMINTON-GIRLS	30
19	BADMINTON SINGLES-GIRLS	30
20	KABADDI-GIRLS	45
21	KHO-KHO-GIRLS	56
22	TABLE TENNIS-GIRLS	38
23	TABLE TENNIS SINGLES-GIRLS	36
24	LONG JUMP-GIRLS	28
25	THROW BALL-GIRLS	33
26	100M RUNNING-GIRLS	18
27	200M RUNNING-GIRLS	16
28	400M RUNNING-GIRLS	16
29	CHESS-GIRLS	24
30	CARROM-GIRLS	24
31	DEBATE	44
32	ESSAY WRITING	35
33	SOLO DANCE	16
34	QUIZ	29
35	SKIT PLAY	20
36	CHESS- BOYS	36
37	LONG JUMP	25
38	SHOT PUT- BOYS	23

49. Details of the contributions of alumni in the development of the department/ institution throughfinancial and non financial means:

Link for relevant Documents here - Alumni

Sr. No	Date	Title	Speaker	Attendees	Duration
1	10-11-2023	Embedded Systems	G. MANIKANTA	45	1hr
2	21-12- 2023	Smart Signaling	T. CHAITANYA	43	2hr

3	25-01- 2024	Batteries and Power Cells.	P. VISHNU VARDHAN	47	2hr
4	22-02- 2024	Soft Skills	C. BHANU TEJESWINI	49	2hr

50. Details of teachers provided with financial support to attend conferences/workshops andtowards membership fee of professional bodies:

Sr.No	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership feeis provided	Amount of support (REMARK)
1)	Dr T Srinivasarao	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	AIET College	2000
2)	P Varahala Dora	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	AIET College	2000
3)	S Sujatha Devi	Five Day Professional Development Programme on "Industrial Automation using PLC Pneumatics and Robotics"	AIET College	2000
4)	G Rajasekhar Yadav	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	AIET College	200
5)	B Lakshmi Narayana	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	AIET College	200
6)	R Ganesh	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	AIET College	200
7)	O Gopinath	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	AIET College	200
8)	S Rishikesh	Two Day Workshop entitled Electrical Machine Modelling and Analysis using ANSYS Software for Electric Vehicles.	AIET College	200
9)	S Rishikesh	Five Day Professional Development Programme on "Applications in Power Electronics Engineering.	AIET College	590
10)	S Rishikesh	Five Day Professional Development Programme on "Industrial Automation using PLC Pneumatics and Robotics"	AIET College	590
11)	S Rishikesh	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023"	AIET College	2000
12)	P Varahala Dora	Five Day Professional Development Programme on "Special Electrical Machines"	AIET College	590
13)	K Rajani	Five Day Professional Development Programme on "Special Electrical Machines"	AIET College	590
14)	K Rajani	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	AIET College	200
15)	M Navya Kantha	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	AIET College	200

51. Details of teachers attending professional development Programmes viz., OrientationProgramme, Refresher Course, Short Term Course, Faculty Development Programmes: Upload relevant documents here - Programs attended

Number of teachers who attended	Title of the professional development program	Date and Duration (from –to)
S Rishikesh	Two Day Workshop entitled Electrical Machine Modelling and Analysis using ANSYS Software for Electric Vehicles.	15-06-2023 To 16-06-2023
S Rishikesh	Five Day Professional Development Programme on "Industrial Automation using PLC Pneumatics and Robotics"	07-08-2023 To 11-08-2023
S Sujatha Devi	Five Day Professional Development Programme on "Industrial Automation using PLC Pneumatics and Robotics"	07-08-2023 To 11-08-2023
K Rajani	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
M Navya Kantha	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
G Rajasekhar yadav	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
R Ganesh	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
O Gopinath	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
B Lakshmi Narayana	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
K Rajani	Five Day Professional Development Programme on "Special Electrical Machines"	01-01-2024 To 05-01-2024
P Varahala Dora	Five Day Professional Development Programme on "Special Electrical Machines"	01-01-2024 To 05-01-2024
S Rishikesh	Five Day Professional Development Programme on "Special Electrical Machines"	01-01-2024 To 05-01-2024

52. Total Grants received from non-government bodies, individuals, Philanthropist:Upload relevant documents here - Grants received

https://avanthicnggcollege.ac.in/assets/iqac/3.1.1_AI.pdf

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
PHYTEC Embedded Pvt Ltd, Bangalore	2 Lakhs	2023-24

53. Details of quality enhancement initiatives in the academic and administrative domains of thedepartment: https://avanthienggcollege.ac.in/iqac2024

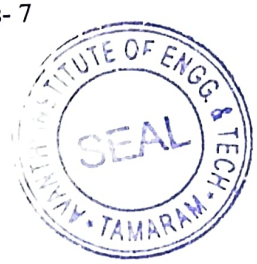
i) Opportunity for higher studies (1 faculty has completed PhD while working in the college).
ii) Regular Industrial visits are organised for the benefit of the students.
iii) Faculty and students are encouraged to take NPTEL and Coursera courses.
iv)Most of the administration is paperless and most communications are made through emails and due to Covid pandemic situation, most of the administration and academics happened through online platforms.
v) Due to Covid pandemic situation, many webinars by industry experts and academicians areconducted for students and faculty

54. Number of gender equity promotion programmes organized by the department:
Gender equality A well-structured Cell for Women's Welfare, Safety and Progress functions in the institution with a convener, faculty coordinators from all departments and student members. This centre operates in accordance with the guidelines laid down by AICTE/UGC. Members meet regularly to discuss action plans for activities, events and competitions that will be organised to raise awareness about women's empowerment and equality. Women students are informed about the different problems and difficulties they may face and who they should talk to. On the basis of complaints and grievances, immediate preventive and corrective measures are taken.

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2023	Program On Self Defense	16-06-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Women Safety and Respect	23-06-2023	100	
2023	Counselling Program on Mental Health & Self Care	09-09-2023	50	
2023	Program on Personality Development Program-Career Guidance	12-10-2023	50	
2023	Awareness On Business Development Skills For Women	21-10-2023	100	
2024	International women's day	08-03-2024	100	

55. Details of the PBL topics floated by the department:

(A)Details of the final year project:
Total Projec groups- 7



InHouse : 0
Industry : 7

(B) Initiatives taken by the department to enhance the quality of teaching learning process, researchand entrepreneurship:

1. APSSDC – Centre of Excellence for certification courses.
2. Compulsory Internship.
3. Effective mentoring system for all round development of students.
4. ERP module for academic planning, monitoring Student centric learning environment.
5. Reformation in Assessment process as per AICTE, UGC, NAAC and NBA.
6. Outcome Based Education is Practiced by Faculty and Students
7. Centre of Excellence Labs
8. Enhancement in Publications in reputed journals.
9. Innovation contest conducted to transform student's innovation into products.
10. Industry Academia linkages.
11. Industry persons talk and entrepreneurship development programs organized.
12. ICT enabled Class room and Seminar Halls
13. Enhancement in Library facilities and Digital Library
14. Enhancement in Internet Bandwidth
15. Enhancement in Placement
16. Two days National Level Technical Meet by inviting Top-notch Professionals.
17. Improvement in Alumni Engagement
18. Enhancement in faculty and staff welfare measures.
19. Involving experts from Industry/ Reputed Institutes in various decision making bodies.
20. Invited talk series, curriculum part delivery and audits

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will

be validatedby the AAA committee during the visit.

Head of Department

Head of the Department
Department of Electrical & Electronics Engg.
Avanthi Institute of Engg & Tech.
Makavarapalem, Visakhapatnam - 531113.

AVANTHI INSTITUTE OF ENGG. & TECH. • TAMARAM • SEAL

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

IQAC Cell

ACADEMIC AUDIT REPORT (2023-2024)

Dept. of ELECTRICAL AND ELECTRONICS ENGINEERING

AY: 2023-2024 **I SEM (JULY -DEC)**

Date of the audit: 22-08-2024

1. COs, POs Curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC is enclosed
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey are conducted and presented as consolidated as per format. https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and its Minutes of meeting, Curriculum changes and its evidences are enclosed
4	Percentage of Lab component	23.07% (4.5/19.5) 1-1 in **R23** 30.23% (6.5/21.5) 2-1 in **R20** 23.25% (5/21.5) 3-1 in **R20** 8.69% (2/23) 4-1 in **R20** M.TECH 22.22(4/18)1-1in **R19-PS** 22.22(4/18)1-1 in **R19-PE** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	13.95%(3/21.5)3-1 in **R20(1P.E)** 13.95%(3/21.5) 3-1 in **R20(1O.E)** 39.95%(9/23) 4-1 in **R20(1P.E)** 26.08%(6/23) 4-1 in **R20(1O.E)** M.TECH 33.33%(6/18) 1-1 in **R19(2P.E) for PS** 18.75%(6/32)3-1 in **R19(1P.E+1O.E) for PE**

SEAL

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	9:1 16 faculty are allotted to teach for 139 students
2	Faculty cadre ratio Prof : Asso : Asst	Professors: 2 Associate Professor: 0 Assistant Professors: 14
3	Faculty qualifications	Doctorates : 2 Ph.D. Pursuing :3 M. Tech: 11
4	Faculty experience and retention	https://avanthicnggcollcgc.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: • Books: • Book chapters:	https://www.iipseries.org/searching.php?type=title&key=GRID%20INTEGRATION%20OF%20RENEWABLE%20ENERGY%20SYSTEM%20WITH%20ARTIFICIAL%20NEURAL%20NETWORK%20CONTROL#resultsection
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies
7	Faculty as resource persons in workshops/training activities	Training Programs: 2
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's	FDP's:NIL

SEAL

9	List of conferences/seminars /workshops/ FDP's/ any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of EEE Department attended workshops/FDP's/Training Programs and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	Lists of students Detention and condonation are maintained.
2	Mechanism and activities for slow learners improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	20 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: Best Projects	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process • Observation of teaching process in class rooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes, question papers of mid and semester end examinations in E learning portal • verification of evaluated answer papers	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed. by any consequences if there is any lag-on of syllabus extra classes will be conducted` • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal.

	• checking the quality of mid examinations question papers • Innovative teaching methods presented • Verification of course files • Minutes of class committee meetings and action taken	• Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided.
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures are conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:2 Programs are conducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Internship with other industries is done and its evidences are enclosed. https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by students feedback. https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning • Certificate courses • Online courses	aculty members were very instrumental in designing and developing 2 Add- on and Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Remedial classes are conducted to form an improvement from Ist Mid exam to II mid exam • Extra classes are conducted for backlog students
12	Placements (%): Industries/organizations:	NA
13	Higher studies (%): Institutions:	NA
14	Student development activities: Co-curricular Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities

4. Research consultancy and Extension

S.NO	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--2 Submitted: --Nil Awarded: 1 Guiding/guided: 1
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	NIL
7	MOU's with industries/R&D/Premier Institutes	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
8	Research centres of excellence established:	Recognized as JNTUK Research centre of excellence for the academic year 2021-2022
9	Skill development centre established	YES, Skill development centre established in collaboration with APSSDC

5. Infrastructure and Learning resources

S. No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process Class rooms: Laboratories: E-class rooms: Seminars: Faculty rooms:	Classrooms:4 Laboratories:12 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 1
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	2 members of Technical and 3members

		of administrative support is provided. P. Santhosh- Technical Ch. Rajani- Technical Ch. Shiva- Technical I. Srinu- Lab Assistant T. Ramu- Lab Assistant
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumable registers in labs	
5	Details of computing facilities and software	60 systems are provided to the students
6	Dept, Newsletters and Magazine	Monthly:3 Bi-monthly:2 Quarterly: 4 Yearly:11 Half-yearly: 8
7	Department level library resources	NO. of Titles:22 NO. of Volumes:102 NO. of Journals:06 No. Of International Journals:04 NO. of E- Journals:70

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year https://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	Internships and industrial visits are regularly conducted

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7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students attendance monitoring system: -Biometric: Attendance Registers:	Regular follow up of Face recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places of college.

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8. Strengths, weakness and areas of Improvement

Strengths

1. Good faculty retention
2. More number of student placements
3. Research and Development cell
4. Strong department level support for faculty research activities
5. Supportive working environment among department members

Weakness

1. Lack of NRI student attraction
2. Poor English speaking capacity of the students.
3. Poor socio-economic status of the students.
4. There is a need to modernise classrooms with ICT facilities

Opportunities:

1. By establishing stronger relationships with R&D organization.
2. Increase of research funding.
3. Interdisciplinary growth of core departments
4. Opportunity to maximize the potentiality of Centres of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be done on the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

1. **K.V.S.Ganesh**
2. **K. Sriram**

Sign. of Academic Auditors

HOD EEE

Head of the Department
Department of Electrical & Electronics Engg.
Avanthi Institute of Engg & Tech.
Makavarapalem, Visakhapatnam - 531113.

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IQAC Cell

ACADEMIC AUDIT REPORT (2023-2024)

ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR: 2023-2024 **II SEMESTER (JAN - JUN)**

Date of the Audit: 22-08-2024

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey are conducted and presented as consolidated as per format. https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC,PAC and it's Minutes of meeting, Curriculum changes
4	Percentage of Lab component	30.23%(6.5/21.5) 2-2 in R20 30.23%(6.5/21.5) 3-2 in R20 31.70%(6.5/20.5) 1-2 in R23 M.TECH 22.22%(4/18)2-2 in R19 for PS 22.22%(4/18)2-2 in R19 for PE -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	13.95%(3/21.5) 3-2 in R20(1P.E) 13.95%(3/21.5) 3-2 in R20(1O.E) M.TECH 33.33%(6/18)-R19 for PS(2P.E) 33.33%(6/18)-R19 for PE(2P.E) https://avanthienggcollege.ac.in/academic_flixbility

AVANTHI INSTITUTE OF ENGG. & TECH. SEAL TAMARAM

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	9:1 16 faculty are allotted to teach for 139 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 1 Associate Professor: 0 Assistant Professors: 14 Annexure:2.1
3	Faculty qualifications	Doctorates : 2 Ph.D.Pursuing :3 M.Tech: 11
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: • Books: • Book chapters:	https://www.iipseries.org/searching.php?type=title&key=GRID%20INTEGRATION%20OF%20RENEWABLE%20ENERGY%20SYSTEM%20WITH%20ARTIFICIAL%20NEURAL%20NETWORK%20CONTROL#resultsection
6	Faculty in Professional bodies Faculty contributions	Nil
7	Faculty as resource persons in workshops/training activities	Training Programs: 2
8	International/national level events organized • Training Programs • workshops/seminars: • FDP's :	FDP's:NIL
9	List of conferences/ seminars/workshops/ FDP's/ any exclusive	To enrich teaching and learning process, faculty of EEE Department attended workshops/FDP's/Training Programs and its evidences are enclosed in

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	programmes attended for enrichment of teaching-learning process	https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	Lists of students Detention and condonation are maintained.
2	Mechanism and activities for slow learners improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	20 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: ---Best Projects	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process • Observation of teaching process in class rooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes, question papers of mid and semester end examinations in E-learning portal • verification of evaluated answer papers • checking the quality of mid examinations question papers • Innovative teaching methods presented	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed. by any consequences if there is any lag-on of syllabus extra classes will be conducted` • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided.

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	• Verification of course files • Minutes of class committee meetings and action taken	
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures are conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:2 Programs are conducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Internship with other industries is done. https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by students feedback. https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning • certificate courses • online courses	Faculty members were very instrumental in designing and developing 2 Add- on and Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Remedial classes are conducted to form an improvement from Ist Mid exam to II mid exam • Extra classes are conducted for backlog students
12	Placements ---(%): Industries/organizations:	47.05% https://avanthienggcollege.ac.in/assets/iqac/5.2.1_AI1.pdf
13	Higher studies (%): --Institutions:	14.70% https://avanthienggcollege.ac.in/assets/iqac/5.2.2_AI.pdf
14	Student development activities: ---Co-curricular ---Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities

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4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--3 Submitted: --Nil Awarded: 0 Guiding/guided: 1
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	Incentives for faculty Research publications as per HR policy
7	MOU's with industries/R&D/Premier Institutes	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
8	Research centres of excellence established:	Recognized as JNTUK Research centre of excellence for the academic year 2020-2021
9	Skill development centre established	YES, Skill development centre established in collaboration with APSSDC

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process Class rooms: Laboratories: E-class rooms: Seminars: Faculty rooms:	Classrooms:4 Laboratories:12 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 1
2	Internet facility for faculty and students:	Wi-Fi net is enabled

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3	Technical and administrative staff support	2 members of Technical and 3members of administrative support is provided. P.Santhosh---Technical Ch. Rajani---- Technical Ch.Shiva---- Technical K.Thapulayya-- administrative support B.Bhaskar--- administrative support I.Srinu—Lab Assistant T.Ramu--- Lab Assistant
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumable registers in labs	---
5	Details of computing facilities and software	Total number of computers:60 List of software procured:
6	Dept, Newsletters and Magazine	Monthly:3 Bi-monthly:2 Quarterly: 4 Yearly:11 Half-yearly: 8
7	Department level library resources	NO. of Titles:22 NO. of Volumes:102 NO. of Journals:06 No. Of International Journals:04 NO. of E- Journals:70

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/ CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic yearhttps://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	3 Internships and 3 industrial visits are regularly conducted

AVANTHI INSTITUTE OF ENGG. & TECH. SEAL TAMARAM

7. Governance, Leadership and Management

S.NO	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students attendance monitoring system: -Biometric: Attendance Registers:	Regular follow up of Face recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places of college.

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AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT
(2023-2024)

1. Name of the Department: MECHANICAL ENGINEERING
2. Year of establishment: 2004
3. Programmes offered: B Tech
4. Details of participation of fulltime teachers in various bodies of the Universities/ AutonomousColleges/ Other Colleges, such as BoS and Academic Council:

Academic Year	Name of Faculty	Name of the body in which full time teacher participated	RELEVANT LINK
2023-2024	Mrs .K. Sandhya,	Certificate Course Coordinator for ANSYS mechanical workbench	https://avanthienggcollege.ac.in/assets/pdf/pdf2/ansys_2023-24.pdf
2023-2024	Mr. B. Rama Krishna	Certificate Course Coordinator for Non-Destructive Techniques In Manufacturing Industries	https://avanthienggcollege.ac.in/assets/pdf/pdf2/Nondestructivetechnique_2023-24.pdf

5. Details of the programmes in which Choice Based Credit System (CBCS)/ elective coursesystem has been implemented:

Name of all programs	Whether adopting CBCS course system(yes/no)	Whether adopting electivecourse system(yes/no)	Program Code	Year of implementation ofCBCS/ elective course system	Link the relevant document
B.Tech in Mechanical Engineering	Yes	Yes	03	2016-17	http://avanthienggcollege.ac.in/academic_flixbility

6. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

Year	Title of the programme (with 30 or more contact hours)	Type of the programme (Certificate/ Diploma programs/ Add-on programs)	Total Number of students enrolled in certificate or diploma or add-on programs	Link to the relevant document
2023-24	ANSYS mechanical workbench	Certificate program	107	https://avanthienggcollege.ac.in/assets/pdf/pdf2/ansys_2023-24.pdf
2023-24	Non-Destructive Techniques In Manufacturing Industries	Certificate program	51	https://avanthienggcollege.ac.in/assets/pdf/pdf2/Nondestructive technique_2023-24.pdf

7. Details of value added courses imparting transferable and life skills:

SNo	Name of the value added courses offered during last years	Course Code	Year of offering	Number of students enrolled in the year	Number of students completing the course in the year
1	ANSYS mechanical workbench	AM2324MECH01	2023-24	107	107
2	Non-Destructive Techniques In Manufacturing Industries	AM2324MECH02	2023-24	51	51

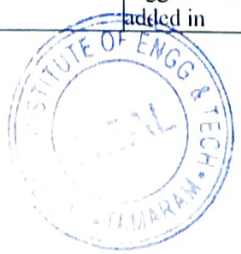
8. Details of the students undertaking field projects/ internships:

Program name	No of students undertaking field projects / internships	Link the relevant document
B Tech in Mechanical Engineering	107	https://avanthienggcollege.ac.in/assets/iqac/1.3.3_AI.pdf

9. Analysis with action taken report of feedback received from different stakeholders i.e. students,Alumni, Employer and teachers.

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1.	Students	MECH	Students requested to provide training on advanced courses	The Institute encouraged the students for online courses	https://avanthienggcollege.ac.in/assets/student24/STUDENT%20FEEDBACK%

				for upgraded knowledge	20ACTION%20TAKEN%20REPORT_ME.pdf
2.	Students	MECH	Students requested to provide more industrial visits for practical knowledge	The Institute has conducted industrial visits for practices knowledge	
3.	Students	MECH	Students requested to conduct NSS regular activities and camp	The Institute has conducted NSS regular activities and camp	
4.	Students	MECH	Students requested for basics of data science to be introduced	The Institute has Conducted a seminar class for introducing basics of data science	
5.	Teachers	MECH	Operational Research	Latest optimization techniques suggested to be added in syllabus	https://avanthienggcollege.ac.in/assets/student24/CURRI%20DEVELOP%20_ME.pdf
6.	Teachers	MECH	Advanced Materials	Provide knowledge based industrial oriented sessions on assembly, joining and repair of high performance composite structures suggested to be added in syllabus	
7.	Teachers	MECH	Heat Transfer	Develop numerical models to address relevant Heat transfer challenges in different sectors suggested to be added in syllabus	
8.	Teachers	MECH	Machine tools Metallurgy & Materials science	Calibration methods: Artefact effect, Global methods, Parametric methods suggested to be added in	



				syllabus	
9.	Teachers	MECH	Strength Of Materials	Lame's theorem should implement in practically suggested to added in syllabus	
10.	Teachers	MECH	Robotics	Understand the construction of forward kinematics, Inverse kinematic and trajectory solutions for a multi degree of freedom Robots suggested to be added in syllabus	
11.	Teachers	MECH	Kinematics of machinery	Suspension and compliances theoretical background and practical measuring schemes	
12.	Teachers	MECH	Production Technology	Advanced casting techniques is suggested to be added in syllabus	
13.	Teachers	MECH	Design of Machine Members	Design procedure of composite materials structures is suggested to be added in syllabus	
14.	Teachers	MECH	Automobile Engineering	Primary development of advanced vehicles is suggested to be added in syllabus	
15.	Alumni	MECH	Need to strengthen Alumni association to assist college development and growth	The institute has conducted training on design software courses by inviting	https://avanthienggcollege.ac.in/assets/student24/ALUMNI%20FEEDBACK%20ACTION%20TAKEN%20REPORT_ME.pdf

				reputed academicians and eperts	
16.	Alumni	MECH	To arrange guest lecturers/ training or motivational sessions	The Institute has taken steps to strengthen alumni association	
17.	Alumni	MECH	Need to strengthen Alumni association to assist in college development and growth	The Institute has Conducted guest lectures /training / motivational speech by inviting reputed academicians and experts	
18.	Employers	MECH	Need to improve coding skills	Planned to conduct in-house training session from soft skill trainers for improving soft skills.	https://avanthienggcollege.ac.in/assets/student24/EMPLOYEER%20FEEDBACK%20ACTION%20TAKEN%20REPORT_ME.pdf
19.	Employers	MECH	The students are be strong in their aptitude skills	Intensive training on aptitude training was planned for the next academic year	
20.	Employers	MECH	Need to focus on core competency. Work on soft skills and communication skills	Focus is given on enhancing students communicatio n skills and programing solving skills.	
21.	Employers	MECH	Industry orientated course work on advanced topics like AI and ML	It is decided to conduct value added on latest softwares	
22.	Employers	MECH	Work on hands on tools like C and C ++	Students were given special training in C and C ++	

				Programming skills	
23.	Employers	MECH	Analytical skills and communication skills	Students were encouraged to come up with real tie engineering problems and think of problems solutions.	
24.	Employers	MECH	Need to introduce Internship	As an affiliated institution we are able unable to introduce new courses instead of that we are encourage students towards internships during semester breaks. For industrials exposure to students we are planning industrial visits to all students and providing guest lecturers from industry experts	

10. Number of students from other States and Countries admitted in the department:

Year of enrolment	**Number of students enrolled from other states**	**Number of students enrolled from other countries**	Link of the relevant document
2023-24	0	0	--

11. Total number of students in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2023-24	B Tech. Mechanical Engineering	03	60	21

12. Number of seats filled against seats reserved for various categories (including Divyangjan) inthe department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
60	2023-24	6	2	11	0	0	2	19	0

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
NIL	NIL	NIL	NIL	NIL	NIL	NIL

13. Special programmes conducted by the department for advanced learners and slow learners:

Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners it is well-acknowledged fact that in every year diversified students from different backgrounds join the institute. The ability of learning of the students is highly influenced by their background as well as their personal abilities and other attributes. The institute has developed a structured mechanism for assessing the learning levels of the students and continuously monitors the same for improving their academic as well as overall performance. Efforts to identify the students' learning levels: Students are made aware of the requisites by the faculty members. The initial informal interaction during Induction Program just after their entry. Coupled with continuous evaluation helps the teachers to assess the learning level of the students and identify and differentiate the slow learners and advanced learners in the classroom.

Program for slow learners: Each mentor is assigned with a group of students per year to provide counseling for improvement. The humanities department arranges spoken English classes for the benefit of those whose proficiency in English is low. The different departments of AIET conduct remedial classes and provide course notes for students who are slow learners.

14. Student- Full time teacher ratio:

Upload Faculty List with details like designation, experience, qualification, other states,Awards and recognition, ICT tools used, etc
Proofs required - Approval letters, Qualification certificate, PG/PhD Recognition, ExperienceLetters - Faculty Data and relevant proof

Year	Number of students enrolled in the department(UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	STR
2023-24	245	00	18	0		13.6

15. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled
Professor		
Associate Professor		2
Assistant Professor		16
Total		18

16. Number of full time teachers with Ph.D. degree:

Year	Total No. Full time teachers	No. of teachers with PhD
2023-24	18	2

17. Details of full time teachers who received awards, recognition, fellowship at State, National,International level from government, recognized bodies:

Year	No. of Full time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2023-24	18	1	

18. Number of full time teachers from other States against sanctioned posts:

Year	No. of Full time Teachers	No. of teachers from other states
2023-24	18	Nil

19. Result Analysis:

Program Code	Program Name	Level/ Semester	Number of students appeared in the exam	Number of students passed in the exam

03	Bachelor in Mechanical Engineering	IV Year	106	85

20. Total Grant received for research projects sponsored by the government and the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs

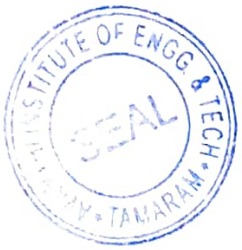
SN	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)	Relevant Document link
1	HYTEC Embedded Pvt Ltd, Bangalore	Dr V Hari Kiran K Sriram Kumar Co-investivator KVNS Rama Krishna Co-investivator	Mech	on going	5.16 lakhs	12 Months	R Radiant Engineering Services, Visakhapatnam	Non Government	

21. Details of the teachers recognized as research guides:

SN	Name of teachers recognized as research guides	PhD Recognition	Department	Year of Recognition
	Nill			

22. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices:

S N	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry- Academia Innovative practices)	Link
1	2023-24	A Seminar on How to Build a Start up	24-06-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
2	2023-24	A Workshop on Smart board for the Smarter Teaching	01-07-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
3	2023-24	A Workshop on Emerging Trends in IPR regime	27-9-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
4	2023-24	A Three Day Workshop On	07-03-2024	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf



		"Financial Wellness"			

23. Details of research papers published by teachers in the Journals notified on UGC website:Publications/Books/Patents

SN	Title of paper	Name of the author /s	Department of theteacher	Name of journal	Yearof publication	ISBN /ISSN number	Linkof the recognition on in UGC enlistment of the Journal
1	Reduce the Frequency Amplitude and Road Condition Implement on Vehicle Chassis	Yeduru Jaya Santhoshi Kumari	Mechanical Engineering	International Jounral of Innovative Research in Science, Engineering and Technology	May-24	2319-8753	28_Reduce.pdf
2	Design of Symmetrical and Unsymmetrical Aerofoil Using CFD Analysis	K. Nagaraju	Mechanical Engineering	International Jounral of Innovative Research in Science, Engineering and Technology	Apr-24	2319-8753	426_Design.pdf
3	Structural Analysis of an Off-Road Vehicle Suspension System Using CATIA and ANSYS	K. Sandhya	Mechanical Engineering	International Journal of Scientific Research in Engineering and Management (IJSREM)	May-24	2582-3930	https://www.researchgate.net/publication/380357795_Structural_Analysis_of_an_Off-Road_Vehicle_Suspension_System_Using_CATIA_and_ANSYS
4	Drone for Agricultural Monitoring Using Drone for Agricultural Monitoring Using CATIA and ANSYS	K. Sandhya	Mechanical Engineering	International Jounral of Innovative Research in Science, Engineering and Technology	Apr-24	2319-8753	419_Design_NEW.pdf
5	Parametric Modelling and Optimization of Cam Mechanism Using CATIA and ANSYS	B Rama Krishna	Mechanical Engineering	International Jounral of Innovative Research in Science, Engineering and Technology	Apr-24	2319-8753	424_Parametric.pdf
6	Thermal and Structural	A N S Surya Prakash	Mechanical Engineering	International Jounral of	Apr-24	2319-8753	411_Thermal.pdf

	Analysis of an Electronic Cooling Fan using CATIA and ANSYS			Innovative Research in Science, Engineering and Technology			
7	Simulation And Optimization Material Of Wind Turbine Blade Profiles Using Catia And Ansys	A. N S Surya Prakesh	Mechanical Engineering	International Journal of Scientific Research in Engineering and Management (IJSREM)	May, 2024	2582-3930	SIMULATION AND OPTIMIZATION MATERIAL OF WIND TURBINE BLADE PROFILES USING CATIA AND ANSYS
8	Fabrication of Voice Controlled Robotic ARM	V Hari Kiran3 V Mounika1,	Mechanical Engineering	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	June, 2024	2349-6002	IJIRT165214_PAPER.pdf
9	Gear Train Optimization of High Speed Machinery by using CATIA and ANSYS	Y.Jaya Santhoshi Kumari 1, K.SriRama Kumar 2	Mechanical Engineering	International Journal of Scientific Research in Engineering and Management (IJSREM)	May-24	ISSN: 2582-3930	https://ijsrem.com/download/gear-train-optimization-of-high-speed-machinery-by-using-catia-and-ansys/

24. Details of books and chapters in edited volumes/books published and papers in national/international conference:

SN	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
1	Dr V Hari Kiran A N S Surya Prakash		Modelig, Analysis And Fabrication Of Hotel Servicing Robot	IIP Series, Voume 3, Book 4 , Part 4 ,Chapter 1	International	International	2024	SBN: 978-93-5747-908-0	Avanthi Institute of Engineering and Technology, Makavarapalem	IP Series	

25. Total number of awards and recognition received for extension activities from Government/recognized bodies:
Upload relevant Documents here_Extension Activities

S No	Name ofthe activity	Name of the Award/ recognition	Name of the Awarding government/ recognisedbodies	Year of award	Name of the Faculty
1	Reviewer Recognisation for reviewing the article-In recognition of the excellent contribution to EVERGREEN with the review, this certificate is awarded to Dr. Hari Vuddagiri, Associate Professor and Head of the Department of Mechanical Engineering Award category service	Recognized reviewer (Silver)	Kyshu University, Evergreen journal, Japan	2023	Dr V Hari Kiran
2	Reviewer Recognisation for reviewing the articleTaylor & Francis to Dr V. HARI KIRAN COGENT ENGINEERING Dr. Hari Vuddagiri, Associate Professor and Head of the Department of Mechanical Engineering	Recognition from Cogent Engineering	Cogent Engineering, taylor and Francis group	2024	Dr V Hari Kiran

26. Details of extension and outreached Programmes conducted in collaboration with industry,community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

SN	Name of theactivity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in suchactivities	Number of students participated in suchactivities
1	Annual Traing Camp - Iv "Yuva Shakti" Certificate	NCC	2023	1	15
2	Annual Traing Camp - Iv "Yuva Shakti" Merit Certificate	NCC	2023	1	1
3	Attachment Of Nce Personel To Regular Army , Navy And Air Force Units	NCC	2023	1	2
4	Yoga Day	NSS	06-05-2023	20	125
5	International YOGA DAY	NSS	21-06-2023	30	214
6	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	09-08-2023	50	245
7	DAY-2 : Taking the Panch Pran Pledge	NSS	10-08-2023	55	234
8	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	11-08-2023	40	225

9	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	14-08-2023	45	245
10	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	15-08-2023	30	185
11	DAY-6 : Online Pledge and Planting a Tree	NSS	16-08-2023	30	176
13	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	17-08-2023	40	167
14	DAY-8 : Video of NSS Participation in Various Events	NSS	18-08-2023	50	246
1	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	19-08-2023	45	214
16	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	20-08-2023	50	222
17	Annual Traing Camp - Iv "Yuva Shakti" Certificate	NCC	2023	1	17
18	Annual Traing Camp - Iv "Yuva Shakti" Merit Certificate	NCC	2023	1	1
19	Tree Plantation	NSS	31-08-2023	40	245
20	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	21-09-2023	50	234
21	DAY - 2 : Single-use Plastic Awareness Programme	NSS	22-09-2023	55	225
22	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	23-09-2023	55	145
23	DAY - 4 : Social Media Awareness on Cleanliness	NSS	25-09-2023	50	167
24	DAY - 5 : Swachhta Cleaning Activity	NSS	26-09-2023	40	142
25	DAY - 6 : Swachhta Pledge Taking Event	NSS	27-09-2023	55	242
26	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	29-09-2023	70	324
27	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	30-09-2023	50	214
28	Sardar Vallabhai Patel Birth Anniversary	NSS	31-10-2023	30	176
30	National Constitution Day	NSS	25-11-2023	30	125
31	Voter Registration Awareness	NSS	30-12-2023	30	224
32	Republic Day	NSS	26-01-2024	95	325
33	EDU Youth Meet (Gitam University)	NSS	30-01-2024	30	115
34	COMBINED ANNUAL TRAING CAMP - II	NCC	2024	1	2
35	B - CERTIFICATES	NCC	2024	2	16
36	Teacher's day	Aiet, Makavarapalem	05-09-2023	110	118
37	Women's day	Aiet, Makavarapalem	12-11-2023	40	43
38	Engineer's day	Aiet, Makavarapalem	15-09-2023	70	118
39	Sport's day	Aiet, Makavarapalem	29-08-2023	40	62

40	Enti ragging awarness	Aiet, Makavarapalem	14-09-2023	40	132
41	Protection of girls hegine and cyber security	Aiet, Makavarapalem	09-12-2023	40	124
42	VOTERS DAY	Aiet, Makavarapalem	26-11-2023	40	129
43	Pongal celebrations	Aiet, Makavarapalem	27-11-2023	60	76
44	VIKSIT BHARAT	Ncc,Nss(Aiet, Makavarapalem)	25-01-2024	90	158
45	pradhan mantri su-raj programme	Aiet, Makavarapalem	11-01-2023	75	563

27. Total number of Students participating in extension activities with Government Organization,Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	**Name ofthe activity**	**Organising unit/agency/ collaborating agency**	**Name ofthe scheme**	**Year of the activity**	**Number of students participated insuch activities**
1	Annual Traing Camp - Iv "Yuva Shakti" Certificate	NCC	YUVA SHAKTI	2023	15
2	Annual Traing Camp - Iv "Yuva Shakti" Merit Certificate	NCC	YUVA SHAKTI	2023	1
3	Attachment Of Ncc Personel To Regular Army , Navy And Air Force Units	NCC	DDG,NCC,AP&T DIRECTORATE,SECUNDERABAD	2023	2
4	Yoga Day	NSS	YOGA DAY	06-05-2023	125
5	International YOGA DAY	NSS	International YOGA DAY	21-06-2023	214
6	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	Independence day	09-08-2023	245
7	DAY-2 : Taking the Panch Pran Pledge	NSS	Independence day	10-08-2023	234
8	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	Independence day	11-08-2023	225
9	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	Independence day	14-08-2023	245
10	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	Independence day	15-08-2023	185
11	DAY-6 : Online Pledge and Planting a Tree	NSS	Independence day	16-08-2023	176
12	DAY-7 : Prabhat Pheris (Morning	NSS	Independence day	17-08-2023	167

	Walk)				
13	DAY-8 : Video of NSS Participation in Various Events	NSS	Independence day	18-08-2023	246
14	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	Independence day	19-08-2023	214
15	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	Independence day	20-08-2023	222
16	Annual Traing Camp - Iv "Yuva Shakti" Certificate	NCC	YUVA SHAKTI	2023	17
17	Annual Traing Camp - Iv "Yuva Shakti" Merit Certificate	NCC	YUVA SHAKTI	2023	1
18	Tree Plantation	NSS	Tree Plantation	31-08-2023	245
19	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	Swachh Bharat	21-09-2023	234
20	Annual Traing Camp - Iv "Yuva Shakti" Certificate	NCC	Swachh Bharat	2023	15
21	DAY - 2 : Single-use Plastic Awareness Programme	NSS	Swachh Bharat	22-09-2023	225
22	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	Swachh Bharat	23-09-2023	145
23	DAY - 4 : Social Media Awareness on Cleanliness	NSS	Swachh Bharat	25-09-2023	167
24	DAY - 5 : Swachhta Cleaning Activity	NSS	Swachh Bharat	26-09-2023	142
25	DAY - 6 : Swachhta Pledge Taking Event	NSS	Swachh Bharat	27-09-2023	242
26	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	Swachh Bharat	29-09-2023	324
27	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	Sardar Vallabhai Patel Birth Anniversary	30-09-2023	214
28	Sardar Vallabhai Patel Birth Anniversary	NSS	National Constitution Day	31-10-2023	176
29	National Constitution Day	NSS	Voter Registration Awareness	25-11-2023	125
30	Voter Registration Awareness	NSS	Republic Day	30-12-2023	224
31	Republic Day	NSS	EDU Youth Meet (Gitam University)	26-01-2024	325
32	EDU Youth Meet (Gitam University)	NSS	14(A)BN NCC SRIKAKULAM	30-01-2024	115
33	COMBINED	NCC	B - CERTIFICATES	2024	2

	ANNUAL TRAING CAMP - II				
34	B - CERTIFICATES	NCC	Teacher's day	2024	16
35	Teacher's day	Aiet, Makavarapalem	Women's day	05-09-2023	118
36	Women's day	Aiet, Makavarapalem	Engineer's day	12-11-2023	43
37	Engineer's day	Aiet, Makavarapalem	Sport's day	15-09-2023	118
38	Sport's day	Aiet, Makavarapalem	Enti ragging awarness	29-08-2023	62
39	Enti ragging awarness	Aiet, Makavarapalem	Industrial safety awarness	14-09-2023	132
40	Protection of girls hegine and cyber security	Aiet, Makavarapalem	National constitutional day	09-12-2023	124
41	VOTERS DAY	Aiet, Makavarapalem	Protection of girls hegine and cyber security	26-11-2023	129
42	Pongal celebrations	Aiet, Makavarapalem	VOTERS DAY	27-11-2023	76
43	VIKSIT BHARAT	Ncc,Nss(Aiet, Makavarapalem)	Pongal celebrations	25-01-2024	158
44	pradhan mantri su-raj programme	Aiet, Makavarapalem	VIKSIT BHARAT	11-01-2023	563
45	DAY - 2 : Single-use Plastic Awareness Programme	NSS	pradhan mantri su-raj programme	22-09-2023	225

28. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- jobtraining, research etc:

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)
1	Comparative Statement Analysis	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
2	STUDY ON MEDICAL DEVICES	Andhra Pradesh MedTech Zone Limited (AMTZ)	2023	2 DAYS
3	Working capital Management	Sri Lakshmi Hero Motors, Hyderabad.	2023	4 WEEKS
4	Ratio Analysis	Coromandel International Limited Visakhapatnam	2023	4 WEEKS
5	Industrial Relations	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
6	Funds Flow Statement Analysis	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
7	Recruitment and Selection	Sai Sreyas Pharmaceutical Pvt.ltd,	2023	4 WEEKS

8	Welfare Facilities	The Vijaya Vaisakha Diary, Visakhapatnam	2023	4 WEEKS
9	Ratio Analysis	Siva sankar motors, Visakhapatnam	2023	4 WEEKS

29. Details of functional MoUs with Institutions of national, international importance, otheruniversities, industries, corporate houses etc.:

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated underMoUs
1	BENCH MARK ENGINEERING SOLUTIONS	BENCH MARK ENGINEERING SOLUTIONS	31-08-2023	1 YEAR AND EXTENDED	industrial Projects , Internships & Industry visits	110
2	NOVEL PATENT SERVICES	NOVEL PATENT SERVICES	27-05-2023	1 YEAR AND EXTENDED	For Patent Services for Faculty	128
3	EDU Skills	EDU Skills	30.11.2022	1 YEAR AND EXTENDED	For EDU Skills Membership Program	423
4	TALENTISE GLOBAL PRIVATE LIMITED	TALENTISE GLOBAL PRIVATE LIMITED	09.12.2022	1 YEAR AND EXTENDED	Campus placement	297
5	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	07.10.2021	1 YEAR AND EXTENDED	Training and visits	423
6	ELECTROPRO	ELECTROPRO	07.10.2021	1 YEAR AND EXTENDED	IOT TRAINING AND PROJECT IMPLEMENTATION	297
7	BYTEXL	BYTEXL	21.04.2021	1 YEAR AND EXTENDED	CRT TRAINING	297
8	SHA ASSOCIATES	SHA ASSOCIATES	10.09.2021	1 YEAR AND EXTENDED	industrial Projects & Consultancy	425
9	HOBEL BELLOWS	HOBEL BELLOWS	28.08.2021	1 YEAR AND EXTENDED	Campus placement	72
10	SYTIZEN TECH	SYTIZEN TECH	13.08.2021	1 YEAR AND EXTENDED	Campus placement	297
11	INSIPREDGE	INSIPREDGE	02.09.2021	1 YEAR AND EXTENDED	Industrial visits and intership	297
12	MIRACLE SOFTWARE SOLUTIONS	MIRACLE SOFTWARE SOLUTIONS	22.02.2021	1 YEAR AND EXTENDED	Campus placement	138

13	BRANDIX	BRANDIX	10.08.2021	1 YEAR AND EXTENDED	Campus placement	297
14	SURYAVARDHAN INTEGRATIONS	SURYAVARDHAN INTEGRATIONS	21.09.2016 ONWARDS	1 YEAR AND EXTENDED	Industrial visits and intership	34
15	NICCO VENTURES LTD	NICCO VENTURES LTD	13.10.2020 ONWARDS	1 YEAR AND EXTENDED	Campus placement	297
16	APITA	APITA	14.12.2015 ONWARDS	1 YEAR AND EXTENDED	Campus placement and Skll development program	423
17	EMMUNAL GENERAL HOSPITAL	EMMUNAL GENERAL HOSPITAL	20.09.2015 ONWARDS	1 YEAR AND EXTENDED	GENERAL	ALL STUDENTS AND FACULTY
18	4C DESIGNENGG	4C DESIGNENGG	01.07.2019	01.07.2022	Skll development program	72
19	MECHNOGENT	MECHNOGENT	10.09.2019	10.09.2022	Skll development program	72
20	APSSDC	APSSDC	09.09.2019	09.09.2022	Campus placement and Skll development program	423

30. Details of departmental infrastructural & other facilities:

a) Departmental Library : YES

b)Institute Library: YES

c) Computers and Internet facilities for staffConnection of 100Mbps bandwidth- 12

d) Total number of class rooms-06

e) Class rooms with ICT facility-06

f) Students' laboratory: 12

g) Research laboratories- 01

h) Seminar Hall-01

i) Smart class room-01

j) Any other facility LCDs,

31. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
245	60	4.08:1

32. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
Google classroom	https://avanthienggcollege.ac.in/mech_department

33. Details of maintenance of laboratory and classrooms:

The institute has well defined system of maintenance of its academic, physical and support like laboratory, library, sports, computers, class rooms etc. The maintenance committee headed by The Principal and convened administrative officer who intern monitor the work of supervisor involved in the maintenance of overall infrastructure facilities.The team looks after regular maintenance and repair of furniture, air conditioning systems and solar panels, plumbing, housekeeping, gardening, transport, RO plan. Regular cleaning of class rooms, floor, laboratories, library and rest rooms are done by housekeeping staff. The college has electricians & plumbers who maintain RO system, electrical and water facilities in college and hostel.The college has power backup with generator (93.2 KVA) and 120 KVA Roof Top solar panel power generation system is available in the campus. Maintenance of Laboratory equipment: ? The laboratory/workshop equipment and machinery are maintained by welltrained technical staff. The minor repair/service will be done by the technical staff with lab in-charges. Annually stock verification of all laboratories and other facilities are carried out. The computer laboratories are supported with power backup system UPS.

https://avanthienggcollege.ac.in/infrastracture

34. Number of students benefited by scholarships and freeships provided by the Government:Link to document-

Name of the scheme	Number of students benefited by government scheme (Scholarships)	Number of students benefited by government scheme(freeships)	State Minority Scholarship	Merit Cum-Means Scholarship
BC	224	Nill	Nill	Nill
EBC	19	Nill	Nill	Nill
OC	20	Nill	Nill	Nill
SC	11	Nill	Nill	Nill
ST	08	Nill	Nill	Nill
MINORITY	02	Nill	Nill	Nill

35. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes:
Upload relevant Documents here_Freeships/Scholarships

Name of the scheme with contact information	Number of students benefited by non-government schemes
1)Avanthi MKP Vasathi Deevena	12
2) Avanthi MKP Vahanamitra	14
3) Avanthi MKP Vidya Deevena	17

36. Number of students enrolled capability enhancement and development scheme:Upload relevant Documents here_Student Development Scheme

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

Soft Skills Development	21-08-2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Remedial Coaching	03-05-2024	40	Mr.KSantosh kumar Assistant Professor,7989157802 AIET,Makavarapalem
Communication Skills	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Bridge Course	11-06-2023	30	PIXELWIND TECHNOLOGIES,Dwarakanagar Visakhapatnam, PH:9398929970
Yoga Sessions	20/11/2023	100	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067
Aptitude Training	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Reasoning Skill	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Technical Skills(C Programming,Python Programming)	10-05-2023	150	Mr.K Shankar,Visakhapatnam
Motivation Class	18/01/2024	176	Sri Sri Gurudev Siva Shankar
Career Guidance	19/02/2024	297	Mr.Sri Sri Siva Shankar Engineer,Visakhapatnam
Stress Management	16/03/2024	176	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067

37. Number of students in the department benefitted by guidance for competitive examinations andcareer counseling offered by the institution:

Year	Name of the scheme	Number of students benefited /attended/participated by career counseling/Competitive exam activities

2023-24	Training for competitive exams(GATE/PGECET)/CAREER COUNSELLING	72

38. Number of students attending Vocational Education and Training(VET)NIL

39. Minutes of the meetings of student redressal committee, prevention of sexual harassmentcommittee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
4	4	3

40. Number of outgoing students placed along with name of the employer with contact details:Link for relevant documents here_Placements and Higher Education

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
03	SUNDARAM FERRO ALLOYS LIMITED	2.3 LPA	B,Tech Mech
11	24/7 AI	3 LPA	B,Tech Mech
03	ANNOOR TESTING LAB	2.16LPA	B,Tech Mech
03	SVS MEP SOLUTIONS	2.5 LPA	B,Tech Mech
03	ELLENBARRIE INDUSTRIAL GASES LTD	2.65LPA	B,Tech Mech
02	KIA INDIA PRIVATE LIMITED	2.0LPA	B,Tech Mech
15	BUILDMATE	2.5 LPA	B,Tech Mech
03	VB ENGG,TECHNOLOGY	2 LPA	B,Tech Mech
09	SRI LAKSHMI PRABHA	3 LPA	B,Tech Mech
03	WELL SPAN(STEEL PLANT)	6 LPA	B,Tech Mech
03	SYNERGIES-VSEZ	2.5 LPA	B,Tech Mech
03	TVS	2 LPA	B,Tech Mech
13	DR.REDDY'S	3 LPA	B,Tech Mech

41. Details of the students going for higher education:

Number of students	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to

enrolling into higher education				
1	B.TECH	Mech	JNT University, Vizianagaram.	M.Tech In Thermal Engineering
1	B.TECH	Mech	M V G R College Of Engineering Vizianagaram	M.Tech In Thermal Engineering
1	B.TECH	Mech	G M R Institute Of Technology,Rajam.	M.Tech In Thermal Engineering
1	B.TECH	Mech	JNT University,Kakinada.	M.Tech In Thermal Engineering

42. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

Link for relevant documents here_Placements and Higher Education

Number of students selected/ qualifying									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
7494170591									PGECET
7494170774									PGECET
7494170553									PGECET
7494170442									PGECET

Number of students appearing									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
7494170591									PGECET
7494170774									PGECET
7494170553									PGECET
7494170442									PGECET

43. Number of awards/medals for outstanding performance in sports/cultural activities at national / international level:

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Adhaar Number/Admission Number

Silver Medal	National Level	Sports	P Lokesh	1	
2nd Place in Dance	National Level	Cultural	K Vishnu Siva Sai	1	

44. Details of the student council and the departmental student chapters: https://avanthienggcollege.ac.in/assets/iqac/5.3.2%20new.pdf

45. Number of sports and cultural activities/competitions organized at the institution level:

Sr. No.	Name of the activity	Event Date
1	VOLLEY BALL-BOYS	12-07-2023
2	BASKET BALL-BOYS	13-07-2023
3	CRICKET-BOYS	14-07-2023
4	KABADDI-BOYS	15-07-2023
5	KHO-KHO-BOYS	16-07-2023
6	TABLE TENNIS SINGLES-BOYS	17-07-2023
7	TABLE TENNIS-BOYS	19-07-2023
8	BADMINTON SINGLES-BOYS	20-07-2023
9	BADMINTON-BOYS	21-07-2023
10	CHESS-BOYS	22-07-2023
11	CARROM-BOYS	23-07-2023
12	LONG JUMP-BOYS	24-07-2023
13	DISC THROW-BOYS	26-07-2023
14	SHOT PUT-BOYS	27-07-2023
15	100M RUNNING-BOYS	28-07-2023
16	200M RUNNING-BOYS	29-07-2023
17	400M RUNNING-BOYS	30-07-2023
18	BADMINTON-GIRLS	31-07-2023
19	BADMINTON SINGLES-GIRLS	02-08-2023
20	KABADDI-GIRLS	03-08-2023
21	KHO-KHO-GIRLS	04-08-2023
22	TABLE TENNIS-GIRLS	05-08-2023
23	TABLE TENNIS SINGLES-GIRLS	06-08-2023
24	LONG JUMP-GIRLS	07-08-2023
25	THROW BALL-GIRLS	09-08-2023
26	100M RUNNING-GIRLS	10-08-2023
27	200M RUNNING-GIRLS	11-08-2023
28	400M RUNNING-GIRLS	12-08-2023
29	CHESS-GIRLS	13-08-2023
30	CARROM-GIRLS	14-08-2023
31	DEBATE	01-10-2023
32	ESSAY WRITING	01-10-2023
33	SOLO DANCE	01-10-2023

34	QUIZ	15-09-2023
35	SKIT PLAY	15-09-2023
36	CHESS- BOYS	19-01-2024
37	LONG JUMP	19-01-2024
38	SHOT PUT- BOYS	19-01-2024

46. Details of the contributions of alumni in the development of the department/ institution throughfinancial and non financial means:

Sr. No	Date	Title	Speaker	Attendees	Duration
1	02-09-2023	Wind Energy Vehicle	Bathina Arun Surya	32	1 Hr
2	01-11-2023	Radial Piston Engine	Dadi Teja	75	1 Hr
3	27-01-2024	Quality Engineering	Poluparthi Ramana babu	55	1 Hr
4	12-02-2024	Thermodynamic Cycles And Its Applications	Medisetti venkata Rajeev	76	1 Hr

47. Details of teachers provided with financial support to attend conferences/workshops andtowards membership fee of professional bodies:

Sr.No	**Name of teacher**	**Name of conference/ workshop attended for which financial support provided**	**Name of the professional body for which membership feeis provided**	**Amount of support (REMARK)**
1)	A N S Surya Prakash	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"		200
2)	V Venkayya Naidu	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"		200
3)	J T Chinna Rao	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"		200
4)	K Srinivasa rao	A Five Day FDP on "Future		200

		Scopes For Additive Manufacturing In Industrial And Biomedical Applications"		
5)	A N S Surya Prakash	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"		200
6)	K Nagaraju	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"		200
7)	K Sandhya	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"		200
8)	K Jaya Santhoshi Kumari	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"		200
9)	P Sadhana	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"		200
10)	Dr V Hari Kiran	One Week Online FDP on "Role of 3D Printing in Digital Manufacturing"		200
11)	K Jaya Santhoshi Kumari	National Conference-Design thinking Tran-disciplinary & challenges &opportunities		2000
12)	P Sadhana	Three Day Online FDP on "MATLAB for Mechanical Engineering"		200
13)	V Mounika	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"		200
14)	B Rama Krishna	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"		200
15)	P Ramana Babu	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"		200
16)	K V N S Rama Krishna	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"		200
17)	G Sivaram	One Day Workshop on "Innovative and Cutting Edge Technologies In The Manufacturing Sectors"		500
18)	Dr V Hari Kiran	One Day Workshop on "Innovative and Cutting Edge Technologies In The Manufacturing Sectors"		500
19)	B Rama Krishna	One Week online FDP ON "Engineering Graphics Using CAD"		200
20)	G Sivaram	Five Day Online FDP on "Recent Advances in Mechanical Engineering"		200
21)	P Sadhana	INTERNATIONAL		2000

		CONFERENCE-Second International Conference on Modern Materials for Engineering and Research (ICMMER 2023). ICMMER 2023		
22)	Dr V Hari Kiran	Second International Conference on Modern Materials for Engineering and Research (ICMMER 2023). ICMMER 2023		2000
23)	G Sivaram	Two Day Workshop on "Green Sustainable Energy Technologies"		2000
24)	V Mounika	Two Day Workshop on "Green Sustainable Energy Technologies"		2000

48. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:

Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from- to)	Dates (from-to) Non Teaching	No of participants (Teaching staff)	No of participants (Nonteachingstaff)
A One week Online FDP on "Machine Learning and its Applications"		23/10/2023 to 28/10/2023		136	
A Three day Workshop on "Financial wellness"	A Three day Workshop on "Financial wellness"	07/03/2024 to 09/03/2024	07/03/2024 to 09/03/2024	128	28

49. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:

Number of teachers who attended	**Title of the professional development program**	**Date and Duration (from –to)**
A N S Surya Prakash	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"	17-06-2023 To 21-06-2023
V Venkayya Naidu	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"	17-06-2023 To 21-06-2023
J T Chinna Rao	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical Applications"	17-06-2023 To 21-06-2023
K Srinivasa rao	A Five Day FDP on "Future Scopes For Additive Manufacturing In Industrial And Biomedical	17-06-2023 To 21-06-2023

	Applications"	
K Nagaraju	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"	26-06-2023 To 01-07-2023
K Sandhya	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"	26-06-2023 To 01-07-2023
K Jaya Santhoshi Kumari	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"	26-06-2023 To 01-07-2023
P Sadhana	One Week Online FDP on "Integrating Auto desk fusion 360 in Engineering subjects"	26 -06-2023 To 01-07-2023
P Sadhana	Three Day OnlineFDP on "MATLAB for Mechanical Engineering"	10-07-2023 To 12-07-2023
V Mounica	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"	21-08-2023 To 25-08-2023
B Rama Krishna	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"	21-08-2023 To 25-08-2023
P Ramana Babu	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"	21-08-2023 To 25-08-2023
K V N S Rama Krishna	One Week National Level FDP on "Cloud infrastructure and AWS Technologies"	21-08-2023 To 25-08-2023
G Sivaram	One Day Workshop on "Innovative and Cutting Edge Technologies In The Manufacturing Sectors"	28-08-2023
Dr V Hari Kiran	One Day Workshop on "Innovative and Cutting Edge Technologies In The Manufacturing Sectors"	28-08-2023
B Rama Krishna	One Week online FDP ON "Engineering Graphics Using CAD"	04-09-2023 To 09-09-2023
G Sivaram	Five Day Online FDP on "Recent Advances in Mechanical Engineering"	05-09-2023 To 09-09-2023

50. Total Grants received from non-government bodies, individuals, Philanthropist:Upload relevant documents here - Grants received: https://avanthienggcollege.ac.in/assets/iqac/3.1.1_AI.pdf

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
R Radiant Engineering Services, Visakhapatnam	5.16 Lakhs	---

51. Details of quality enhancement initiatives in the academic and administrative domains of thedepartment: https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf

i) Opportunity for higher studies (1 faculty has completed PhD while working in the college).
ii) Regular Industrial visits are organised for the benefit of the students.
iii) Faculty and students are encouraged to take NPTEL and Coursera courses.
iv)Most of the administration is paperless and most communications are made through emails and due to Covid pandemic situation, most of the administration and academics happened through online platforms.
v) Due to Covid pandemic situation, many webinars by industry experts and academicians areconducted for students and faculty

Number of gender equity promotion programmes organized by the department:
Gender equality A well-structured Cell for Women's Welfare, Safety and Progress functions in the institution with a convener, faculty coordinators from all departments and student members. This centre operates in accordance with the guidelines laid down by AICTE/UGC. Members meet regularly to discuss action plans for activities, events and competitions that will be organised to raise awareness about women's empowerment and equality. Women students are informed about the different problems and difficulties they may face and who they should talk to. On the basis of complaints and grievances, immediate preventive and corrective measures are taken.

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2023	Program On Self Defense	16-06-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Women Safety and Respect	23-06-2023	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Counselling Program on Mental Health & Self Care	09-09-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Program on Personality Development Program-Career Guidance	12-10-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Awareness On Business Development Skills For Women	21-10-2023	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf

2024	International women's day	08-03-2024	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf

52. Details of the final year project:

Total Projec groups- 22
In House : 22
Industry : nil

53. Initiatives taken by the department to enhance the quality of teaching learning process, researchand entrepreneurship:

1. APSSDC – Centre of Excellence for certification courses.
2. Compulsory Internship.
3. Effective mentoring system for all round development of students.
4. ERP module for academic planning, monitoring Student centric learning environment.
5. Reformation in Assessment process as per AICTE, UGC, NAAC and NBA.
6. Outcome Based Education is Practiced by Faculty and Students
7. Centre of Excellence Labs
8. Enhancement in Publications in reputed journals.
9. Innovation contest conducted to transform student's innovation into products.
10. Industry Academia linkages.
11. Industry persons talk and entrepreneurship development programs organized.
12. ICT enabled Class room and Seminar Halls
13. Enhancement in Library facilities and Digital Library
14. Enhancement in Internet Bandwidth
15. Enhancement in Placement
16. Two days National Level Technical Meet by inviting Top-notch Professionals.
17. Improvement in Alumni Engagement
18. Enhancement in faculty and staff welfare measures.
19. Involving experts from Industry/ Reputed Institutes in various decision making bodies.
20. Invited talk series, curriculum part delivery and audits

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validatedby the AAA committee during the visit.

AVANTHI INSTITUTE OF ENGG & TECH • TAMARAM • SEAL

Head of Department

Head of the Department
Department of Mechanical Engg.
Avanthi Institute of Engg. & Tech.,
Bhogapuram

IQAC CELL

ACADEMIC AUDIT REPORT (2023-2024)

Dept. of MECHANICAL ENGINEERING

A.Y: 2023-2024 **I SEMESTER (JULY-DEC)**

Date of Audit: 22-08-2024

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC,PAC and it's Minutes of meeting, Curriculum changes
4	Percentage of Lab component	23.07% (4.5/19.5) I/I **R23** 30.23% (6.5/21.5) II/I **R20** 30.23% (4.5/21.5) III/I **R20** 21.73% (5/23) IV/I **R20** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	26.96 % (12/44.5) **R20 (4 P.E)** 20.22 % (9/44.5) **R20 (3 O.E)**

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	13.6:1 18 faculty are assigned to teach for 245 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 00 Associate Professor: 02 Assistant Professors: 16
3	Faculty qualifications	Doctorates : 2 Ph.D.Pursuing :2 M.Tech: 14
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books:00 --Book chapters:01	https://www.iipseries.org/viewpaper.php?pid=5158&pt=modeling-analysis-and-fabrication-of-hotel-servicing-robot
6	Faculty in Professional bodies Faculty contributions	2 faculty members are enrolled in Professional bodies
7	Faculty as resource persons in workshops/training activities	Nil
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's :	FDP's : Nil
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of Mechanical Department attended workshops/FDP's /Training Programs https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condo nation are maintained.
2	Mechanism and activities for slow learners improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	16 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: ---Best Projects	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process --Observation of teaching process in class rooms as per schedule ---Tracking of syllabus coverage ---Uploading of Lecture notes, question papers of mid and semester end examinations in E-learning portal ---verification of evaluated answer papers ---checking the quality of mid examinations question papers ---Innovative teaching methods presented	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed by any consequences if there is any lag-on of syllabus extra classes will be conducted • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell co-ordinator and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. • Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided.

	---Verification of course files ---Minutes of class committee meetings and action taken	
7	Training programmes conducted for students ---Guest Lectures ---Add-on courses ---Seminars/workshops ---Compliance of department academic calendar	https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning ---certificate courses ---online courses	• Faculty members were very instrumental in designing and developing 01 Add- on and Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Based on the results of mid exams, remedial classes are conducted . • Based on the results of main exams, backlog classes are conducted.
12	Placements ---(%): Industries/organizations:	----
13	Higher studies(%): --Institutions:	------
14	Student development activities: ---Co-curricular ---Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities

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4. Research consultancy and Extension

1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:- 2 Submitted: --Nil Awarded: Nil Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	Incentives for faculty Research publications as per HR policy
7	MOU's with industries/R&D/Premier Institutes	MOU's with industries and R&D
8	Research centers of excellence established:	Recognized as JNTUK Research center of excellence from the academic year 2021-2022
9	Skill development center established	YES, Skill development center established in collaboration with APSSDC

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process Class rooms: Laboratories: E-class rooms: Seminars: Faculty rooms:	Classrooms:06 Laboratories:12 E-classrooms:01 Seminar halls: 01 Faculty rooms:03
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	3 members of Technical and 2 members of administrative support is provided. L Nageswara Rao---Technical M CH G Raju---- Technical Ch.Shiva---- Technical Y Lova Raju-- administrative support B Jagadeesh--- administrative support
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumable registers in labs	Nil
5	Details of IT facilities	60 Computers
6	Dept, Newsletters and Magazine	Monthly:3 Bi-monthly:2 Quarterly: 4 Yearly:11 Half-yearly: 8
7	Department level library resources	NO. of Titles:24 NO. of Volumes:118 NO. of Journals:14 No. Of International Journals:4 NO. of E- Journals:18

6.Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: 10 No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year https://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	3 Internships and 3 industrial visits are regularly conducted.

7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students attendance monitoring	Regular follow up of biometric as well as Attendance registers.

	system: -Biometric: Attendance Registers:	
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places and needed corners of college.

8. Strengths, weakness and areas of Improvement

Strengths

1) Well trained, research oriented, experienced, dedicated and energetic teaching faculty
2) Effective technical and Innovative skills
3) More number of student placements
4) Good computational and experimental facilities
5) Research and Development cell
6) Strong department level support for faculty research activities
7) Supportive working environment among department members
8) Supportive non-teaching and laboratory staff
9) Excellent and well-maintained infrastructure in form of new building
10) Good teaching and learning environment supported by prolific library

Weakness

1) Lack of NRI student attraction
2) Poor English speaking capacity of the students.
3) Poor socio-economic status of the students.
4) There is a need to modernize classrooms with ICT facilities

Opportunities:

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1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments
4) Opportunity to maximize the potentiality of Centers of Excellence.

Challenges

1) To increase human resource i.e. teaching and non-teaching employees.
2) To initiate need-based and interdisciplinary courses.
3) To strengthen the institution's effort in career counseling and placement of students.
4) To organize more cultural and sports activities for inculcating cultural and sports values into students.

1. P.V. Dorababu, Dept of EEE
2. K.Varaprasad, Dept of CSE

HOD-MECH

Sign. of Academic Auditors

SEAL

IQAC CELL

ACADEMICAUDIT REPORT (2023-2024)

Dept. of MECHANICAL ENGINEERING

AY: 2023-2024 **II SEM (JAN-JUNE)**

Date of Audit: 22-08-2024

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and its Minutes of meeting, Curriculum changes.
4	Percentage of Lab component	30.23%(6.5/21.5) -2-2-**R20** 30.23%(6.5/21.5) -3-2-**R20** 31.70% (6.5/20.5)-**1-2-R23** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	1-Open elective- **R20** 13.9%(3/21.5)- 1-Professional Elective-R20 13.9%(3/21.5) https://avanthienggcollege.ac.in/academic_flixbility

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	13:1 18 faculty are assigned to teach for 245 students
2	Faculty cadre ratio Prof : Assoc : Asst:	Professors: 0 Associate Professor: 2 Assistant Professors: 16
3	Faculty qualifications	Doctorates: 2 Ph.D. Pursuing :2 M.Tech: 14
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies
7	Faculty as resource persons in workshops/training activities	Training Programs: 3
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's:	FDP's:NIL
9	List of conferences/seminars/workshops/FDP 's/any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of Mechanical Department attended workshops/FDP's/Training Programs and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.
2	Mechanism and activities for slow learners' improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	16 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects:	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process Observation of teaching process in class rooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes, question papers of mid and semester end examinations in E-learning portal • Verification of evaluated answer papers • Checking the quality of mid examinations question papers • Innovative teaching methods presented • Verification of course files • Minutes of class	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed. by any consequences if there is any lag-on of syllabus extra classes will be conducted` • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. • Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided.

	committee meetings and action taken	
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures are conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:1 Programs are conducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Internship with other industries is done. https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by students feedback. https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning ---certificate courses ---online courses	Faculty members were very instrumental in design in developing 2 Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Based on the results of mid exams, remedial classes are conducted. • Based on the results of main exams, backlog classes are conducted.
12	Placements (%): Industries/organizations:	40.12% https://avanthienggcollege.ac.in/assets/iqac/5.2.1_AI1.pdf
13	Higher studies(%): --Institutions:	3% https://avanthienggcollege.ac.in/assets/iqac/5.2.2_AI.pdf
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities

4. Research consultancy and Extension

1	Faculty Publications in journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications.	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:2 Submitted: nil Awarded: nil Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	Nil
7	MOU's with industries/R&D	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
8	Research centres of excellence established:	Recognized as JNTUGV Research centre of excellence from the academic year 2021-2022
9	Skill development centre established	YES, Skill development centre established in collaboration with APSSDC

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process • Class rooms • Laboratories • E-class rooms • Seminars • Faculty rooms	Classrooms:6 Laboratories:12 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 3
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	3 members of Technical and 2 members of administrative support is provided.
4	Details of IT facilities	Total number of computers:60
5	Department level library resources	NO. of Titles:20 NO. of Volumes:142 NO. of Journals:10 No. Of International Journals:4 NO. of E- Journals:NIL

6.Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year https://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	Internships and industrial visits are regularly conducted

7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes

4	Staff and students' attendance monitoring system:	Regular follow up of Face recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places and needed corners of college.

8 Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention.
2) More number of student placements.
3) Strong department level support for faculty research activities.
4) Supportive working environment among department members.

Weakness

1) Lack of NRI student attraction.
2) Poor socio-economic status of the students.
3) Increase the number of classrooms with ICT facilities.

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments
4) Opportunity to maximize the potentiality of Centers of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be done on the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

1. P.V.Dorababu, Dept of EEE
2. K.Varaprasad, Dept of CSE

HOD-MECH

Sign. of Academic Auditors

SEAL

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

(2023-2024)

1. Name of the Department: Electronics and communication engineering
2. Year of establishment: 1999
3. Programmes offered: B.Tech, M.Tech
4. Details of participation of fulltime teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council:

Academic Year	Name of Faculty	Name of the body in which full time teacher participated	RELEVANT LINK
2023-24	Mr KVS Ganesh	Certificate course coordinator – Microcontroller Programming	https://avanthienggcollege.ac.in/assets/pdf/pdf2/microcontrollerprogramming_2023-24.pdf
2023-24	Mr T Pattala Naidu	Certificate course coordinator - FPGA PROGRAMMING	https://avanthienggcollege.ac.in/assets/pdf/pdf2/fpgaprogramming_2023-24.pdf
2023-24	Mr V Raju	Certificate course coordinator - Introduction to IoT	https://avanthienggcollege.ac.in/assets/pdf/pdf2/introductiontoiot_2023-23.pdf

5. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

Name of all programs	Whether adopting CBCS course system(yes/no)	Whether adopting elective course system(yes/no)	Program Code	Year of implementation of CBCS/ elective course system	Link the relevant document
B.Tech in Electronics and Communictio n Engineering	yes	Yes	04	2016-17	http://avanthienggcollege.ac.in/academic_flixbility

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M. Tech in VLSI Design	Yes	Yes	57	2016-17	http://avanthienggcollege.ac.in/academic_flixbility
M. Tech in Digital Electronics and Communication Systems	Yes	Yes	38	2016-17	http://avanthienggcollege.ac.in/academic_flixbility

6. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

Year	Title of the programme (with 30 or more contact hours)	Type of the programme (Certificate/ Diploma programs/ Add- on programs)	Total Number of students enrolled in certificate or diploma or add-on programs	Link to the relevant document
2023-24	Microcontroller Programming	Certificate program	101	https://avanthienggcollege.ac.in/assets/pdf/pdf2/microcontrollerprogramming_2023-24.pdf
2023-24	FPGA PROGRAMMING	Certificate program	87	https://avanthienggcollege.ac.in/assets/pdf/pdf2/fpgaprogramming_2023-24.pdf
2023-24	Introduction to IoT	Certificate program	103	https://avanthienggcollege.ac.in/assets/pdf/pdf2/introductiontoiot_2023-23.pdf

7. Details of value added courses imparting transferable and life skills:

SN	Name of the valueadded courses offered duringlast years	Course Code	Year of offering	Number of students enrolled in the year	Number of students completing the course in the year
1	Microcontroller Programming	AM2324ECE01	2023-24	101	101
2	FPGA PROGRAMMING	AM2324ECE02	2023-24	87	87
3	Introduction to IoT	AM2324ECE03	2023-24	103	103

8. Details of the students undertaking field projects/ internships:

Program name	No of students undertaking field projects / internships	Link the relevant document
B.Tech in Electronics and Communication Engineering	88	https://avanthienggcollege.ac.in/assets/iqac/1.3.3_AI.pdf

9. Analysis with action taken report of feedback received from different stakeholders i.e. students, Alumni, Employer and teachers.

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1	Students	ECE	YES	https://avanthienggcollege.ac.in/assets/student24/STUDENT%20FEEDBACK%20ACTION%20TAKEN%20REPORT%20_ECE.pdf	https://avanthienggcollege.ac.in/feedback_system
2	Teachers	ECE	YES	https://avanthienggcollege.ac.in/assets/student24/EMPLOYEER%20FEEDBACK%20ACTION%20TAKEN%20REPORT%20_ECE.pdf	
3	Alumni	ECE	YES	https://avanthienggcollege.ac.in/assets/student24/ALUMNI%20FEEDBACK%20ACTION%20TAKEN%20REPORT%20_ECE.pdf	
4	Employers	ECE	YES	https://avanthienggcollege.ac.in/assets/student24/EMPLOYEER%20FEEDBACK%20ACTION%20TAKEN%20REPORT%20_ECE.pdf	

10. Number of students from other States and Countries admitted in the department:

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Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
2023-24	NIL	NIL	NIL

11. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2023-24	B.Tech-Electronics and Communication Engineering	4	120	100
2023-24	M.Tech VLSI	57	18	2
2023-24	M.Tech DECS	38	9	0

12. Number of seats filled against seats reserved for various categories (including Divyangjan) in the department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
34.8	2023-24	12	5	22	4	0	20	76	0

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
NIL	NIL	NIL	NIL	NIL	NIL	NIL

13. Special programmes conducted by the department for advanced learners and slow learners: Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

The institution assesses the learning levels of the students and organizes special Programs for advanced learners and slow learners It is well-acknowledged fact that in every year diversified students from

different backgrounds join the institute. The ability of learning of the students are highly influenced by their background as well as their personal abilities and other attributes. The institute has developed a structured mechanism for assessing the learning levels of the students and continuously monitors the same for improving their academic as well as overall performance. Efforts to identify the students' learning levels: Students are made aware of the requisites by the faculty members. The initial informal interaction during Induction Program just after their entry. Coupled with continuous evaluation helps the teachers to assess the learning level of the students and identify and differentiate the slow learners and advanced learners in the classroom.

Program for slow learners: Each mentor is assigned with a group of students per year to provide counselling for improvement. The humanities department arranges spoken English classes for the benefit of those whose proficiency in English is low. The different departments of AIET conduct remedial classes and provide course notes for students who are slow learners.

14. Student- Full time teacher ratio:

Upload Faculty List with details like designation, experience, qualification, other states, Awards and recognition, ICT tools used, etc
Proofs required - Approval letters, Qualification certificate, PG/PhD Recognition, Experience Letters - Faculty Data and relevant proof

Year	Number of students enrolled in the department(UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	STR
2023-24	100	02	25	05	5	12:1

15. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled
Professor	03	03
Associate Professor	01	01
Assistant Professor	21	21
Total	25	25

16. Number of full time teachers with Ph.D. degree:

Year	Total No. Full time teachers	No. of teachers with PhD
2023-24	25	3

17. Details of full time teachers who received awards, recognition, fellowship at State, National,

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International level from government, recognized bodies:

Year	No. of Full time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2023-24	25	NIL	

18. Number of full time teachers from other States against sanctioned posts:

Year	No. of Full time Teachers	No. of teachers from other states
2023-24	25	NIL

19. Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
04	Bachelor in Electronics and communication Engineering	IV	88	70

20. Total Grant received for research projects sponsored by the government and the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs

SN	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)	Relevant Document link
1	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

21. Details of the teachers recognized as research guides:

SN	Name of teachers recognized as research guides	PhD Recognition	Department	Year of Recognition
1	NIL			

22. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices:

Workshops/Seminars Conducted

S .No	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-AcademiaInnovative practices)	Link
1	2023-24	A Seminar on How to Build a Start up	24-06-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
2	2023-24	A Workshop on Smartboard for the Smarter Teaching	01-07-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
3	2023-24	A Workshop on Emerging Trends in IPR regime	27-09-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
4	2023-24	A THREE DAY WORKSHOP ON "FINANCIAL WELLNESS"	7-3-2024	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf

23. Details of incentives to teachers who receive state, national and international recognition/ awards:

Sr. No.	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
	NIL	NIL	NIL

24. Details of research papers published by teachers in the Journals notified on UGC website:

Publications/Books/Patents

SNo	Title of paper	Name of theauthor/s	Department of theteacher	Name of journal	Yearof publication	ISBN/ ISSN number	Linkof the recognition inUGC enlistment of the Journal
1.	Floor planning for optimizing area using sequence pair and hybrid optimization	T Pattala naidu	Electronics and communication engineering (ECE)	springer Multimedia Tools and Applications	2023	Volume 83, pages 57199–57221	https://link.springer.com/article/10.1007/s11042-023-16980-9
2.	Medical image segmentatio	Dr K Ravi Kumar	Electronics and communication engineering	springer Multimedia Tools and	2023	Volume 83, pages	https://link.springer.com/article/10.1007/s11042-023-16980-9

	n using an optimized three-tier quantum convolutional neural network trained with hybrid optimization approach		(ECE)	Applications		38083–38108	
3.	Research article esp32 based smart information for the atm system	Dr K Ravi Kumar	Electronics and communication engineering (ECE)	International Journal of Recent Scientific Research	2023	Vol. 14, Issue, 12, pp.4448-4452	https://www.recentscientific.com/sites/default/files/20943.pdf

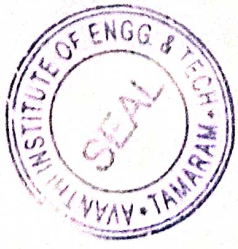
25. Details of books and chapters in edited volumes/books published and papers in national/ international conference:
Upload relevant documents here Publications/Books/Patents

SN	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
01	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

26. Details of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

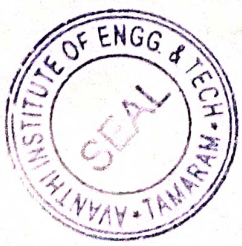
S No	Name of the activity	Organising unit/ agency/ collaboratin g Agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	15

2.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	2023	1	1
3.	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	2023	1	2
4.	YOGA DAY	NSS	06-05-2023	20	125
5.	International YOGA DAY	NSS	21-06-2023	30	214
6.	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	09-08-2023	50	245
7.	DAY-2 : Taking the Panch Pran Pledge	NSS	10-08-2023	55	234
8.	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	11-08-2023	40	225
9.	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	14-08-2023	45	245
10.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	15-08-2023	30	185
11.	DAY-6 : Online Pledge and Planting a Tree	NSS	16-08-2023	30	176
12.	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	17-08-2023	40	167



13.	DAY-8 : Video of NSS Participation in Various Events	NSS	18-08-2023	50	246
14.	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	19-08-2023	45	214
15.	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	20-08-2023	50	222
16.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	17
17.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	2023	1	1
18.	Tree Plantation	NSS	31-08-2023	40	245
19.	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	21-09-2023	50	234
20.	DAY - 2 : Single-use Plastic Awareness Programme	NSS	22-09-2023	55	225
21.	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	23-09-2023	55	145
22.	DAY - 4 : Social Media Awareness on Cleanliness	NSS	25-09-2023	50	167
23.	DAY - 5 : Swachhta Cleaning Activity	NSS	26-09-2023	40	142

24.	DAY - 6 : Swachhta Pledge Taking Event	NSS	27-09-2023	55	242
25.	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	29-09-2023	70	324
26.	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	30-09-2023	50	214
27.	Sardar Vallabhai Patel Birth Anniversary	NSS	31-10-2023	30	176
28.	National Constitution Day	NSS	25-11-2023	30	125
29.	Voter Registration Awareness	NSS	30-12-2023	30	224
30.	Republic Day	NSS	26-01-2024	95	325
31.	EDU Youth Meet (Gitam University)	NSS	30-01-2024	30	115
32.	COMBINED ANNUAL TRAING CAMP - II	NCC	2024	1	2
33.	B - CERTIFICATES	NCC	2024	2	16
34.	Teacher's day	AIET, MAKAVARAPALEM	05-09-2023	110	118
35.	Women's day	AIET, MAKAVARAPALEM	12-11-2023	40	43
36.	Engineer's day	AIET, MAKAVARAPALEM	15-09-2023	70	118



37.	Sport's day	AIET, MAKAVARAPALEM	29-08-2023	40	62
38.	Anti ragging awarness	AIET, MAKAVARAPALEM	14-09-2023	40	132
39.	Industrial safety awarness	AIET, MAKAVARAPALEM	09-12-2023	40	124
40.	National constitutional day	AIET, MAKAVARAPALEM	26-11-2023	40	129
41.	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	27-11-2023	40	76
42.	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	25-01-2024	60	158
43.	Pongal celebrations	AIET, MAKAVARAPALEM	11-01-2023	90	563
44.	VIKSIT BHARAT	AIET, MAKAVARAPALEM	19-12-2023	75	476
45.	pradhan mantri su-raj programme	AIET, MAKAVARAPALEM	13-03-2024	75	496

27. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	**Name of the activity**	**Organising unit/ agency/ collaborating Agency**	Name of the scheme	**Year of the activity**	Number of students participated in such activities	**proof**
1.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	15	

2.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	1	
3.	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	DDG,NCC,AP&T DIRECTORATE,SECUNDERABAD	2023	2	
4.	YOGA DAY	NSS	YOGA DAY	06-05-2023	125	
5.	International YOGA DAY	NSS	International YOGA DAY	21-06-2023	214	
6.	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	Independence day	09-08-2023	245	
7.	DAY-2 : Taking the Panch Pran Pledge	NSS	Independence day	10-08-2023	234	
8.	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	Independence day	11-08-2023	225	
9.	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	Independence day	14-08-2023	245	

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10.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	Independence day	15-08-2023	185	
11.	DAY-6 : Online Pledge and Planting a Tree	NSS	Independence day	16-08-2023	176	
12.	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	Independence day	17-08-2023	167	
13.	DAY-8 : Video of NSS Participation in Various Events	NSS	Independence day	18-08-2023	246	
14.	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	Independence day	19-08-2023	214	
15.	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	Independence day	20-08-2023	222	
16.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	17	
17.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	1	
18.	Tree Plantation	NSS	Tree Plantation	31-08-2023	245	

19.	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	Swachh Bharat	21-09-2023	234	
20.	DAY - 2 : Single-use Plastic Awareness Programme	NSS	Swachh Bharat	22-09-2023	225	
21.	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	Swachh Bharat	23-09-2023	145	
22.	DAY - 4 : Social Media Awareness on Cleanliness	NSS	Swachh Bharat	25-09-2023	167	
23.	DAY - 5 : Swachhta Cleaning Activity	NSS	Swachh Bharat	26-09-2023	142	
24.	DAY - 6 : Swachhta Pledge Taking Event	NSS	Swachh Bharat	27-09-2023	242	
25.	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	Swachh Bharat	29-09-2023	324	
26.	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	Swachh Bharat	30-09-2023	214	
27.	Sardar Vallabhai Patel Birth Anniversary	NSS	Sardar Vallabhai Patel Birth Anniversary	31-10-2023	176	
28.	National Constitution Day	NSS	National Constitution Day	25-11-2023	125	
29.	Voter Registration Awareness	NSS	Voter Registration Awareness	30-12-2023	224	

SEAL

30.	Republic Day	NSS	Republic Day	26-01-2024	325	
31.	EDU Youth Meet (Gitam University)	NSS	EDU Youth Meet (Gitam University)	30-01-2024	115	
32.	COMBINED ANNUAL TRAING CAMP - II	NCC	14(A)BN NCC SRIKAKULAM	2024	2	
33.	B - CERTIFICATES	NCC	B - CERTIFICATES	2024	16	
34.	Teacher's day	AIET, MAKAVARAPALEM	Teacher's day	05-09-2023	118	
35.	Women's day	AIET, MAKAVARAPALEM	Women's day	12-11-2023	43	
36.	Engineer's day	AIET, MAKAVARAPALEM	Engineer's day	15-09-2023	118	
37.	Sport's day	AIET, MAKAVARAPALEM	Sport's day	29-08-2023	62	
38.	Anti ragging awarness	AIET, MAKAVARAPALEM	Enti ragging awarness	14-09-2023	132	
39.	Industrial safety awarness	AIET, MAKAVARAPALEM	Industrial safety awarness	09-12-2023	124	
40.	National constitutional day	AIET, MAKAVARAPALEM	National constitutional day	26-11-2023	129	
41.	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	Protection of girls hegine and cyber security	27-11-2023	76	
42.	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	VOTERS DAY	25-01-2024	158	
43.	Pongal celebrations	AIET, MAKAVARAPALEM	Pongal celebrations	11-01-2023	563	

44.	VIKSIT BHARAT	AIET, MAKAVARAPALEM	VIKSIT BHARAT	19-12-2023	476	
45.	pradhan mantri su-raj programme	AIET, MAKAVARAPALEM	pradhan mantri su-raj programme	13-03-2024	496	

28. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- job training, research etc:

Link for Documents here_Field Projects/Internships

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab withcontact details	Year of commenc ement	Duration (From-To)	Nature of linkage
1	AWS CLOUD VIRTUAL INTERSHIP	EDU SKILLS	2023	July-Oct,2023	Internship
2	ANDROID DEVELOPERVIRTUAL INTERNSHIP	EDU SKILLS	2024	July-Oct,2023	Internship
3	Aws Ai-ML Virtual Internship	EDU SKILLS	2022	Dec 2023-Feb 2024	Internship
4	Palo Alto Cybersecurity Virtual Internship	EDU SKILLS	2022	Dec 2023-Feb 2024	Internship
5	FIELD TRIP	DOPPLER WEATHER RADAR STATION VISHAKAPATNAM	2023	Sep 2023	Field trip

29. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:

Sl. No.	Organisation with which mou is signed	Name of the institution/ industry/ corporate house	Year of Signing mou	Duration	List the actualactivities under each mou year wise	Number of students/teachers participated under mous
1	BENCH MARK ENGINEERING SOLUTIONS	BENCH MARK ENGINEERING SOLUTIONS	31-08-2023	1 YEAR AND EXTENDED	industrial Projects , Internships & Industry visits	110
2	NOVEL PATENT SERVICES	NOVEL PATENT SERVICES	27-05-2023	1 YEAR AND EXTENDED	For Patent Services for Faculty	128
3	EDU Skills	EDU Skills	30.11.2022	1 YEAR AND EXTENDED	For EDU Skills Membership Program	423

4	TALENTISE GLOBAL PRIVATE LIMITED	TALENTISE GLOBAL PRIVATE LIMITED	09.12.2022	1 YEAR AND EXTENDED	Campus placement	297
5	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	07.10.2021	1 YEAR AND EXTENDED	Training and visits	423
6	ELECTROPRO	ELECTROPRO	07.10.2021	1 YEAR AND EXTENDED	IOT TRAINING AND PROJECT IMPLEMENTATION	297
7	BYTEXL	BYTEXL	21.04.2021	1 YEAR AND EXTENDED	CRT TRAINING	297
8	SHA ASSOCIATES	SHA ASSOCIATES	10.09.2021	1 YEAR AND EXTENDED	industrial Projects & Consultancy	425
9	HOBEL BELLOWS	HOBEL BELLOWS	28.08.2021	1 YEAR AND EXTENDED	Campus placement	72
10	SYTIZEN TECH	SYTIZEN TECH	13.08.2021	1 YEAR AND EXTENDED	Campus placement	297
11	INSIPREDGE	INSIPREDGE	02.09.2021	1 YEAR AND EXTENDED	Industrial visits and internship	297
12	MIRACLE SOFTWARE SOLUTIONS	MIRACLE SOFTWARE SOLUTIONS	22.02.2021	1 YEAR AND EXTENDED	Campus placement	138
13	BRANDIX	BRANDIX	10.08.2021	1 YEAR AND EXTENDED	Campus placement	297
14	SURYAVARDHAN INTEGRATIONS	SURYAVARDHAN INTEGRATIONS	21.09.2016 ONWARDS	1 YEAR AND EXTENDED	Industrial visits and internship	34
15	NICCO VENTURES LTD	NICCO VENTURES LTD	13.10.2020 ONWARDS	1 YEAR AND EXTENDED	Campus placement	297

16	APITA	APITA	14.12.2015 ONWARDS	1 YEAR AND EXTENDED	Campus placement and Skill development program	423
17	EMMUNAL GENERAL HOSPITAL	EMMUNAL GENERAL HOSPITAL	20.09.2015 ONWARDS	1 YEAR AND EXTENDED	GENERAL	ALL STUDENTS AND FACULTY
18	4C DESIGNENGG	4C DESIGNENGG	01.07.2019	01.07.2022	Skill development program	72
19	MECHNOGENT	MECHNOGENT	10.09.2019	10.09.2022	Skill development program	72
20	APSSDC	APSSDC	09.09.2019	09.09.2022	Campus placement and Skill development program	423

30. Details of departmental infrastructural & other facilities:

a. Departmental Library : yes

b. Institute Library: yes

c. Computers and Internet facilities for staff connection of 100Mbps bandwidth

d. Total number of class rooms: 06

e. Class rooms with ICT facility:05

f. Students' laboratory:05

g. Research laboratories:1

h. Seminar Hall:1

i. Smart class room:1

j. Any other facility LCDs,:1

31. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
296	60	4.9:1

Upload relevant Documents here_Infrastructure

32. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	E-Content link
Google classroom	https://avanthienggcollege.ac.in/ece_department

33. Details of maintenance of laboratory and classrooms:

Maintenance of all laboratories are done by the laboratory assistants in consultation with the laboratory in charge. Maintenance activities are recorded in logbook and kept in every laboratory.

Link for relevant Documents here Infrastructure: https://avanthienggcollege.ac.in/infrastracture

34. Number of students benefited by scholarships and free ships provided by the Government:Link to document-

Name of the scheme	Number of students benefited by government scheme (Scholarships)	Number of students benefited by government scheme (free ships)	State Minority Scholarship	Merit Cum-Means Scholarship
OBC	45			
SC	10			
SBC				
VJNT				
EBC	78			

35. Total number of students benefited by scholarships, free ships, etc provided by the institutionbesides government schemes:

Name of the scheme with contact information	Number of students benefited by non-government schemes
Avanthi MKP Vasathi Deevena	22
Avanthi MKP Vahana mitra	17
Avanthi MKP Vidya deevena	24

36. Number of students enrolled capability enhancement and development scheme:

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Soft Skills Development	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab ,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Remedial Coaching	03-05-2024	40	Mr.KSantosh kumar Assistant Professor,7989157802 AIET,Makavarapale

			m
Communication Skills	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab ,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Bridge Course	11-06-2023	30	PIXELWIND TECHNOLOGIES,Dwaraka nagar Visakhapatnam, PH:9398929970
Yoga Sessions	20/11/2023	100	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067
Aptitude Training	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab ,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Reasoning Skill	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab ,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Technical Skills(C Programming,Python Programming)	10-05-2023	150	Mr.K Shankar,Visakhapatnam
Motivation Class	18/01/2024	176	Sri Sri Gurudev Siva Shankar
Career Guidance	19/02/2024	297	Mr.Sri Sri Siva Shankar Engineer,Visakhapatnam
Stress Management	16/03/2024	176	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067

37. Number of students in the department benefitted by guidance for competitive examinations and career counseling offered by the institution:

Year	Name of the scheme	Number of students benefited /attended/participated by career counseling/Competitive exam activities
2023-24	Training for competitive exams(GATE/PGECET)/CAREER COUNSELLING	64
2023-24	Training for Career councling towards placements	64

38. Number of students attending Vocational Education and Training(VET)
NIL

39. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
4	4	4

40. Number of outgoing students placed along with name of the employer with contact details:

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
37	[24]7.AI 9019742171	3 LPA	B TECH
	ACCENTURE 8074609196	3 LPA	B TECH
	ALLSEC TECHNOLOGIES 9010776784	3 LPA	B TECH
	AMAZON 6300705639	3 LPA	B TECH
	APTROID 7947412505	3 LPA	B TECH
	CAPE ELECTRIC 04471018100	3L	B TECH
	CMITS	3L	B TECH
	CODE YOUNG	3L	B TECH
	CONSTIENT GLOBAL SOLUTIONS	3L	B TECH
	DELTAX	3L	B TECH

	DIGITAL TRUST	3L	B TECH
	EFFTRONICS 8662466675	3L	B TECH
	FLIPKART 9705685786	3LPA	B TECH
	IBM	3 LPA	B TECH
	KEPL GLOBAL	3 LPA	B TECH
	KEYENCE INDIA PVT LTD	3 LPA	B TECH
	KODNEST 8095000123	3 LPA	B TECH
	NIPUN NET SOLUTION PVT LTD 9901070391	3 LPA	B TECH
	PENTAGON SPACE PVT LTD.	4.5 LPA	B TECH
	PFIZER	4.6LPA	B TECH
	PHEENOM	3.5 LPA	B TECH
	QUALITYKIOSK TECHNOLOGIES	2LPA	B TECH
	SUCHI ALLOYS 9908772449	2LPA	B TECH
	SUZLON GLOBAL SERVICES LTD. 7013895368	2LPA	B TECH
	SVS MEP SOLUTIONS 9390888080	2LPA	B TECH
	TCS 9959155953	5LPA	B TECH
	TCS DIGITAL 9959155953	8L	B TECH
	TECH MAHINDRA 8554944255	5 LPA	B TECH
	TECH MAHINDRA OFF CAMPUS DRIVE	2.5 LPA	B TECH
	UNI STRING TECH SOLUTION	4L	B TECH
	VIKRAM SOLAR LTD	4L	B TECH
	VODAFONE 8328526079	4L	B TECH

41. Details of the students going for higher education:

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
6	B.TECH	ECE	NIT-SILCHAR	M.TECH IN MICRO-ELECTRONICS AND VLSI DESIGN

	B.TECH	ECE	NIT-RAIPUR	M.TECH IN VLSI DESIGN AND EMBEDDED SYSTEMS
	B.TECH	ECE	J N T UNIVERSITY, KAKINADA	M.TECH IN VLSI DESIGN
	B.TECH	ECE	GMR INSTITUTE OF TECHNOLOGY, RAJAM.	M.TECH IN VLSI DESIGN
	B.TECH	ECE	DADI INSTITUTE OF ENGINEERING &TECHNOLOGY	M.TECH IN VLSI DESIGN
	B.TECH	ECE	VIGNANS INSTITUTE OF ENGINEERING AND TECHNOLOGY, DUVVADA.	M.TECH IN VLSI DESIGN

42. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

_Number of students selected/ qualifying									State government examination
Registration /Roll No for the exam	**NET**	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOEFL/IELTS**	**Civil Services**	
20811A0455			GATE(ECE)						
20811A0474			GATE(ECE)						
20811A0461									PGECET
20811A0463									PGECET
20811A0467									PGECET
20811A0473									PGECET
21815A0402									PGECET
21815A0405									PGECET
21815A0410									PGECET

Number of students appearing									State government examination
Registration /Roll No for the exam	**NET**	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOEFL/IELTS**	**Civil Services**	

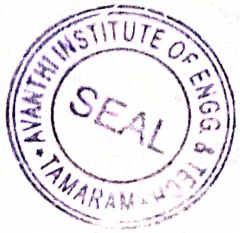
20811A0455			GATE(ECE)						
20811A0474			GATE(ECE)						
20811A0461									PGECET
20811A0463									PGECET
20811A0467									PGECET
20811A0473									PGECET
21815A0402									PGECET
21815A0405									PGECET
21815A0410									PGECET

43. Number of awards/medals for outstanding performance in sports/cultural activities at national / international level:

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Adhaar Number/Admission Number
GOLD MEDAL	University Level	Sports	Botcha Uday Kumar	1	23811A0411
SILVER MEDAL	National	Sports	Sankarapu Prakash	1	22811A0469
2nd PLACE	National	Sports	Kandregula Vamsi	1	23811A0437
1st PLACE	National	Cultural	Karri Veerababu	1	22811A0434
1st PLACE	National	Cultural	Polisetti Lavanya	1	22815A0427

44. Number of sports and cultural activities/competitions organized at the institution level:

Sr. No.	Name of the activity	Event Date
1.	VOLLEY BALL-BOYS	12-07-2023
2.	BASKET BALL-BOYS	13-07-2023
3.	CRICKET-BOYS	14-07-2023
4.	KABADDI-BOYS	15-07-2023
5.	KHO-KHO-BOYS	16-07-2023
6.	TABLE TENNIS SINGLES-BOYS	17-07-2023
7.	TABLE TENNIS-BOYS	19-07-2023
8.	BADMINTON SINGLES-BOYS	20-07-2023
9.	BADMINTON-BOYS	21-07-2023
10.	CHESS-BOYS	22-07-2023



11.	CARROM-BOYS	23-07-2023
12.	LONG JUMP-BOYS	24-07-2023
13.	DISC THROW-BOYS	26-07-2023
14.	SHOT PUT-BOYS	27-07-2023
15.	100M RUNNING-BOYS	28-07-2023
16.	200M RUNNING-BOYS	29-07-2023
17.	400M RUNNING-BOYS	30-07-2023
18.	BADMINTON-GIRLS	31-07-2023
19.	BADMINTON SINGLES-GIRLS	02-08-2023
20.	KABADDI-GIRLS	03-08-2023
21.	KHO-KHO-GIRLS	04-08-2023
22.	TABLE TENNIS-GIRLS	05-08-2023
23.	TABLE TENNIS SINGLES-GIRLS	06-08-2023
24.	LONG JUMP-GIRLS	07-08-2023
25.	THROW BALL-GIRLS	09-08-2023
26.	100M RUNNING-GIRLS	10-08-2023
27.	200M RUNNING-GIRLS	11-08-2023
28.	400M RUNNING-GIRLS	12-08-2023
29.	CHESS-GIRLS	13-08-2023
30.	CARROM-GIRLS	14-08-2023
31.	DEBATE	01-10-2023
32.	ESSAY WRITING	01-10-2023
33.	SOLO DANCE	01-10-2023
34.	QUIZ	15-09-2023
35.	SKIT PLAY	15-09-2023
36.	CHESS- BOYS	19-01-2024
37.	LONG JUMP	19-01-2024
38.	SHOT PUT- BOYS	19-01-2024

45. Details of the contributions of alumni in the development of the department/ institution through financial and non financial means:

Link for relevant Documents here - Alumni https://avanthienggcollege.ac.in/assets/iqac/5.4.1_AI.pdf

S.No	Date	Title	Speaker	Attendees	Duration

1	13-07-2023	VLSI DESIGN AND EMBEDDED SOFTWARE SERVICES	M.HARI KALYAN	96	60 minutes
2	3-10-2023	CYBER SECURITY	P.TARUN KUMAR	99	60 Minutes
3	09-01-2024	REAL TIME VLSI DESIGN INDUSTRY	M. Ganesh	106	3 Hours

S.No	Name of the alumnus	Year of graduation	Date	Donation (in cash)	Purpose
1	B ARJUN MURTHY	2007	27-11-2023	13000	College development
2	A SRAVAN	2015	07-12-2023	8000	College development
3	M MANOJ KUMAR	2015	27-12-2023	15000	College development
4	BEZAWADA TEJASWI	2022	25-01-2024	15000	College development

46. Details of the student council and the departmental student chapters:

https://avanthienggcollege.ac.in/assets/iqac/5.3.2%20new.pdf

47. Details of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies:

Sr.No	Name of teacher	Name of conference/workshop attended for which financial support provided	Amount of support (REMARK)
1.	K V S Ganesh	Three Day Online FDP on VLSI Design and Development"	200
2.	G Sandhya	Three Day Online FDP on VLSI Design and Development"	200
3.	Dr E Govinda	9th International Conference on Computers, Management & Mathematical Sciences – ICCM 2023	2000
4.	G Sandhya	9th International Conference on Computers, Management & Mathematical Sciences – ICCM 2023	2000
5.	K V S Ganesh	9th International Conference on Computers, Management & Mathematical Sciences – ICCM 2023	2000
6.	S Phani Varaprasad	9th International Conference on Computers, Management & Mathematical Sciences – ICCM 2023	2000
7.	S Phani Varaprasad	One Week FDP on "Antenna Design Techniques and Tools	200

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8.	Dr E Govinda	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
9.	K V S Ganesh	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
10.	G Sandhya	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
11.	D Sreenivasa Rao	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
12.	T Pattalu Naidu	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
13.	B Ramesh Kumar	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
14.	J Sujatha	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
15.	P Raghava Kumari	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	200
16.	T Pattalu Naidu	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	200
17.	S Phani Varaprasad	Three-day National Level FDP on "Emerging Trends in VLSI Device, Circuit & System Design – A Practical Approach"	200
18.	A Ramana Babu	Three day National Level FDP on "Emerging Trends in VLSI Device, Circuit & System Design – A Practical Approach"	200
19.	Dr E Govinda	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
20.	Dr R Prasada Rao	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
21.	S Phani Varaprasad	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
22.	K V S Ganesh	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
23.	G Sandhya	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
24.	S Venkata Anand	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
25.	V Raju	1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023	2000
26.	Dr K Ravi Kumar	Five Day FDP on "Recent Advancements in Communications, Data Analytics &Hypermesh using AI Tools"	200
27.	Dr R Prasada Rao	One Week FDP on "Applications in Signal Processing and Communication Systems	200
28.	Dr K Ravi Kumar	One Week FDP on "Applications in Signal Processing and Communication Systems	200

29.	B Ramesh Kumar	One Week FDP on "Applications in Signal Processing and Communication Systems	200
30.	T Pattalu Naidu	One Week FDP on "Applications in Signal Processing and Communication Systems	200
31.	K V S Ganesh	One Week FDP on "Applications in Signal Processing and Communication Systems	200
32.	Dr R Prasada Rao	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
33.	K V S Ganesh	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
34.	G Sandhya	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
35.	T Pattalu Naidu	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
36.	A V S Deepak	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
37.	K Uma Shankar	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
38.	B Ajitha Teja	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200
39.	B Lalitha	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	200

48. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:

Sl. No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	Dates (from-to) Non Teaching	No of participants (Teaching staff)	No of participants (Nonteaching staff)
1	NIL					

49. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:

Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
2	Three Day Online FDP on VLSI Design and Development"	22-06-2023 To 24-06-2023
1	One Week Online FDP on " Integrating Autodesk Fusion – 360 in Engineering Subjects"	26-06-2023 To 01-07-2023
1	One Week FDP on "Antenna Design Techniques and Tools	11-09-2023 To 15-09-2023
8	One Week Online FDP on "AI Enabled AR/VR in Communication & Signal Processing Application"	03-10-2023 to 07-10-2023
1	Five Day Online FDP on "Recent Research Trends and Applications of Nanoelectronics"	16-10-2023 to 20-10-2023
2	Three-day National Level FDP on "Emerging Trends in VLSI Device, Circuit & System Design – A Practical Approach"	09-11-2023 To 11-11-2023
1	Five Day FDP on "Recent Advancements in Communications, Data Analytics &Hypermesh using AI Tools"	22-04-2024 To 26-04-2024
5	One Week FDP on "Applications in Signal Processing and Communication Systems	29-04-2024 To 04-05-2024
8	Five Days Short Term Training Program on "Advanced Approaches and Insights on Signal Processing in Health care"	27-05-2024 To 31-05-2024

50. Total Grants received from non-government bodies, individuals, Philanthropist:

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
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51. Details of quality enhancement initiatives in the academic and administrative domains of the department: https://avanthienggcollege.ac.in/iqac2024

52. Number of gender equity promotion programmes organized by the department:

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2023	Program On Self Defense	16-06-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Women Safety and Respect	23-06-2023	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Counselling Program on Mental Health & Self Care	09-09-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Program on Personality Development Program-Career Guidance	12-10-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Awareness On Business Development Skills For Women	21-10-2023	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2024	International women's day	08-03-2024	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf

53. Details of the final year project:
Total Project groups- 20

InHouse - 12
Industry- 8

54. Initiatives taken by the department to enhance the quality of teaching learning process, research and entrepreneurship: https://avanthienggcollege.ac.in/iqac2024

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Head of Department

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg. & Tech.
Makavarapalem, Visakhapatnam Dist-531 11

AVANTHI INSTITUTE OF ENGG. & TECH. TAMARAM SEAL

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

IQAC CELL

ACADEMIC AUDIT REPORT (2023-2024)

Dept. of ELECTRONICS AND COMMUNICATION ENGINEERING

AY: 2023-2024 **I SEM (JULY-DEC)**

Date of Audit: 22-08-2024

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and its Minutes of meeting, Curriculum changes.
4	Percentage of Lab component	30.23%(6.5/21.5) -2-1-**R20** 23.25%(5/21.5) -3-1-**R20** 8.69%(2/23) -4-1-**R20** 23.07% (4.5/19.5)-**R23** M.Tech 22.22%(4/18)-**R19** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	3-Open elective- **R20** 13.6%(9/66)- 4-Professional Elective-R20 18.18%(12/66) M.Tech -**R19** 3core electives+1 professional elective 33.3% (6/18) in I-I&37.5%(6/16) https://avanthienggcollege.ac.in/academic_flixbility

SEAL

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	12:1 25 faculty are assigned to teach for 297 students
2	Faculty cadre ratio Prof : Assoc : Asst:	Professors: 3 Associate Professor: 1 Assistant Professors: 21
3	Faculty qualifications	Doctorates: 3 Ph.D. Pursuing :3 M.Tech: 19
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies
7	Faculty as resource persons in workshops/training activities	Training Programs: 3
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's:	FDP's:NIL
9	List of conferences/seminars/workshops/FDP 's/any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of ECE Department attended workshops/FDP's/Training Programs and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

AVANTHI INSTITUTE OF ENGG & TECH TAMARAM SEAL

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condo nation are maintained.
2	Mechanism and activities for slow learners' improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	16 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects:	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process Observation of teaching process in class rooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes,question papers of mid and semester end examinations in E-learning portal • Verification of evaluated answer papers • Checking the quality of mid examinations question papers • Innovative teaching methods presented • Verification of course files • Minutes of class committee meetings and action taken	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed. by any consequences if there is any lag-on of syllabus extra classes will be conducted` • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. • Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided.

AVANTHI INSTITUTE OF ENGG & TECH SEAL TAMARAM

7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures are conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:1 Program is conducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Internship with other industries is done. https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by students feedback. https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning ---certificate courses ---online courses	Faculty members were very instrumental in design in developing 1 Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Based on the results of mid exams, remedial classes are conducted. • Based on the results of main exams, backlog classes are conducted.
12	Placements (%): Industries/organizations:	-
13	Higher studies(%): --Institutions:	-
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities

SEAL

4. Research consultancy and Extension

1	Faculty Publications in journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications.	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:2 Submitted: nil Awarded: nil Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	Nil
7	MOU's with industries/R&D	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
8	Research centres of excellence established:	Recognized as JNTUGV Research centre of excellence from the academic year 2021-2022
9	Skill development centre established	YES, Skill development centre established in collaboration with APSSDC

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process • Class rooms • Laboratories • E-class rooms • Seminars • Faculty rooms	Classrooms:6 Laboratories:6 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 3
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	3 members of Technical and 3members of

SEAL

		administrative support is provided. K. Srinivas-Technical K. Vasudeva Rao- Technical Jagadeesh- Technical K.Thapulayya-Administrative support B.Bhaskar-Administrative support
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumable registers in labs	
5	Details of IT facilities	Total number of computers:60
6	Department level library resources	NO. of Titles:20 NO. of Volumes:142 NO. of Journals:10 No. Of International Journals:4 NO. of E- Journals:NIL

6.Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year https://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	Internships and industrial visits are regularly conducted

SEAL

7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students' attendance monitoring system:	Regular follow up of Face recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places and needed corners of college.

8 Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention.
2) More number of student placements.
3) Research & Development cell.
4) Strong department level support for faculty research activities.
5) Supportive working environment among department members.

Weakness

1) Lack of NRI student attraction.
2) Poor socio-economic status of the students.
3) Increase the number of classrooms with ICT facilities.

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments
4) Opportunity to maximize the potentiality of Centers of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be done on the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

1. G. Sivaram, Dept. of MECH
2. L. Krishnaveni, Dept of MBA

HOD-ECE

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg. & Tech.
Makavarapalem, Visakhapatnam Dist-531 113

Sign. of Academic Auditors

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
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Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

IQAC CELL

ACADEMICAUDIT REPORT (2023-2024)

Dept. of ELECTRONICS AND COMMUNICATION ENGINEERING

AY: 2023-2024 **II SEM (JAN-JUNE)**

Date of Audit: 22-08-2024

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and its Minutes of meeting, Curriculum changes.
4	Percentage of Lab component	30.23%(6.5/21.5) -2-2-**R20** 30.23%(6.5/21.5) -3-2-**R20** 23.07% (4.5/19.5)-**1-2-R23** M.Tech 22.22%(4/18)-**R19** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	1-Open elective- **R20** 13.9%(3/21.5)- 1-Professional Elective-R20 13.9%(3/21.5) M.Tech -**R19** 3core electives+1 professional elective 33.3% (6/18) in I-I&37.5%(6/16) https://avanthienggcollege.ac.in/academic_flixbility

SEAL

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	12:1 25 faculty are assigned to teach for 297 students
2	Faculty cadre ratio Prof : Assoc : Asst:	Professors: 3 Associate Professor: 1 Assistant Professors: 21
3	Faculty qualifications	Doctorates: 3 Ph.D. Pursuing :3 M.Tech: 19
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies
7	Faculty as resource persons in workshops/training activities	Training Programs: 3
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's:	FDP's:NIL
9	List of conferences/seminars/workshops/FDP 's/any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of ECE Department attended workshops/FDP's/Training Programs and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

SEAL

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.
2	Mechanism and activities for slow learners' improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	16 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: `	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process Observation of teaching process in class rooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes, question papers of mid and semester end examinations in E-learning portal • Verification of evaluated answer papers • Checking the quality of mid examinations question papers • Innovative teaching methods presented • Verification of course files	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed. by any consequences if there is any lag-on of syllabus extra classes will be conducted` • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. • Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided.

SEAL

	• Minutes of class committee meetings and action taken	
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures are conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:2 Programs are conducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Internship with other industries is done. https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by students feedback. https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning ---certificate courses ---online courses	Faculty members were very instrumental in design in developing 2 Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Based on the results of mid exams, remedial classes are conducted. • Based on the results of main exams, backlog classes are conducted.
12	Placements (%): Industries/organizations:	42.04% https://avanthienggcollege.ac.in/assets/iqac/5.2.1_AI1.pdf
13	Higher studies(%): --Institutions:	10% https://avanthienggcollege.ac.in/assets/iqac/5.2.2_AI.pdf
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities

SEAL

4. Research consultancy and Extension

1	Faculty Publications in journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications.	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:2 Submitted: nil Awarded: nil Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	Nil
7	MOU's with industries/R&D	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
8	Research centres of excellence established:	Recognized as JNTUGV Research centre of excellence from the academic year 2021-2022
9	Skill development centre established	YES, Skill development centre established in collaboration with APSSDC

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process • Class rooms • Laboratories • E-class rooms • Seminars • Faculty rooms	Classrooms:6 Laboratories:6 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 3

SEAL

2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	3 members of Technical and 3members of administrative support is provided. K. Srinivas-Technical K. Vasudeva Rao- Technical Jagadeesh- Technical K.Thapulayya-Administrative support B.Bhaskar-Administrative support
5	Details of IT facilities	Total number of computers:60
6	Department level library resources	NO. of Titles:20 NO. of Volumes:142 NO. of Journals:10 No. Of International Journals:4 NO. of E- Journals:NIL

6.Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year https://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	Internships and industrial visits are regularly conducted

SEAL

7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students' attendance monitoring system:	Regular follow up of Face recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places and needed corners of college.

SEAL

8. Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention.
2) More number of student placements.
3) Strong department level support for faculty research activities.
4) Supportive working environment among department members.

Weakness

1) Lack of NRI student attraction.
2) Poor socio-economic status of the students.
3) Increase the number of classrooms with ICT facilities.

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments
4) Opportunity to maximize the potentiality of Centers of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be done on the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

1. **G. Sivaram, Dept. of MECH**
2. **L. Krishnaveni, Dept of MBA**

HOD-ECE

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg. & Tech.
Makavarapalem, Visakhapatnam Dist-531 113

Sign. of Academic Auditors

SEAL

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

(2023-2024)

1. Name of the Department: COMPUTER SCIENCE & ENGINEERING
2. Year of establishment: 1999
3. Programmes offered: B. Tech (CSE, CSM, CSD) M. Tech (CSE)
4. Details of participation of fulltime teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council:

External LAB-AI&ML LAB

Academic Year	Name of Faculty	Name of the body in which full time teacher participated	RELEVANT LINK
2023-24	M. Sagar K. Vara Prasad	M. Sagar K. Vara Prasad	https://avanthienggcollege.ac.in/assets/pdf/pdf2/artificialintelligence_2023-24.pdf
2023-24	N. V. Ashok Kumar, V. Trinadh	N. V. Ashok Kumar, V. Trinadh	https://avanthienggcollege.ac.in/assets/pdf/pdf2/advancedpython_2023-24.pdf
2023-24	K. Asha Devi, S. Venkata Rao	K. Asha Devi, S. Venkata Rao	https://avanthienggcollege.ac.in/assets/pdf/pdf2/machinelearninganddeeplearning_2023-24.pdf
2023-24	M. Chiranjeevi, B. Ganesh	M. Chiranjeevi, B. Ganesh	https://avanthienggcollege.ac.in/assets/pdf/pdf2/blockchaintechnology_2023-24.pdf

6. Details of new Courses introduced of the total number of courses across all Programmes offered by the department:

AVANTHI INSTITUTE OF ENGG. & TECH. SEAL TAMARAM

Name of the new course introduced in last A.Y.	Program name	Program code	Course code	Year of introduction	Link the relevant document
Nill					

7. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

COM	Whether adopting CBCS course system(yes/no)	Whether adopting elective course system(yes/no)	Program Code	Year of implementation of CBCS/ elective course system	Link the relevant document
B.Tech (COMPUTER SCIENCE & ENGINEERIG)	**YES**	**YES**	05	**1999-2000**	http://avanthienggcollege.ac.in/academic_flixbility
B.Tech (CSM-AI & ML)	**YES**	**YES**	42	**2020-21**	http://avanthienggcollege.ac.in/academic_flixbility
B.Tech (CSD)	**YES**	**YES**	44	**2022-23**	http://avanthienggcollege.ac.in/academic_flixbility

8. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

Year	Title of the programme (with 30 or more contact hours)	Type of the programme (Certificate/ Diploma programs/ Add-on programs)	Total Number of students enrolled in certificate or diploma or add-on programs	Link to the relevant document
2023-24	Artifical Intelligence	CERTIFICATE PROGRAM	133	https://avanthienggcollege.ac.in/assets/pdf/pdf2/artificialintelligence_2023-24.pdf
2023-24	Advanced Python	CERTIFICATE PROGRAM	113	https://avanthienggcollege.ac.in/assets/pdf/pdf2/advancedpython_2023-24.pdf
2023-24	Machine Learning and Deep Learning	CERTIFICATE PROGRAM	92	https://avanthienggcollege.ac.in/assets/pdf/pdf2/machinelearninganddeeplearning_2023-24.pdf
2023-24	BlockChain Technology	CERTIFICATE PROGRAM	180	https://avanthienggcollege.ac.in/assets/pdf/pdf2/blockchaintechnology_2023-24.pdf

9. Details of value added courses imparting transferable and life skills:

S.No	Name of the valueadded courses offered during last years	Course Code	Year of offering	Number of students enrolled in the year	Number of students completing the course in the year
1	Artifical Intelligence	AM2324CSE01	2023-24	133	133
2	Advanced Python	AM2324CSE02	2023-24	113	113
3	Machine Learning and Deep Learning	AM2324CSE03	2023-24	92	92
4	BlockChain Technology	AM2324CSE04	2023-24	180	180

10. Details of the students undertaking field projects/ internships:

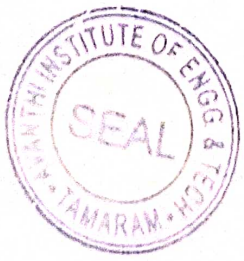
Program name	No of students undertaking field projects / internships	Link the relevant document
B.Tech (CSE)	143	https://avanthienggcollege.ac.in/assets/iqac/1.3.3_AI.pdf
B.Tech (CSM - AI & ML)	37	https://avanthienggcollege.ac.in/assets/iqac/1.3.3_AI.pdf

11. Analysis with action taken report of feedback received from different stakeholders i.e. students, Alumni, Employer and teachers.

AVANTHI INSTITUTE OF ENGG & TECH • TAMARAM • SEAL

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1	Students	CSE	Student requested to provide self learning facilities	The institute encourage the students for registered NPTEL courses	https://avanthienggcollege.ac.in/assets/student24/student_feedback%20action%20taken_cse.pdf
2	Students	CSE	Student requested to introduce new job oriented courses	New certification and diploma programmes introduced yearly	
3	Students	CSE	Requested to conduct NSS regular activities and camp	The institute has conducted NSS regular activities and camp	
4	Students	CSE	Students requested for more soft skills training programs	The institute has conducted more soft skills training programs	
5	Teachers	CSE	Data Base Management System	Hash join technique has to be introduced in the syllabus	https://avanthienggcollege.ac.in/assets/student24/curr_develop_cse.pdf
6	Teachers	CSE	Python Programming	Decorators fundamentals has to be introduced in the syllabus	
7	Teachers	CSE	Operating System	Distributed operating systems fundamentals has to be added in the syllabus	
8	Teachers	CSE	Internet of Things	5G IOT technology has to be introduced in the syllabus	
9	Teachers	CSE	Formal Language and Automata Theory	CYK algorithm implementation using JFLAP has to be added in the syllabus	
10	Teachers	CSE	Artificial Intelligence	Image recognization using AI has to be introduced in the syllabus	
11	Teachers	CSE	UNIX Programming	More case studies has to be included in the syllabus	

12	Teachers	CSE	Data Structures through C++	M-way search trees fundamentals has to be added in the syllabus	
13	Teachers	CSE	Software Technologies	Block chain technology fundamentals has to be added in the syllabus	
14	Teachers	CSE	Machine Learning	Automatic regression has to be added in the syllabus	
15	Alumni	CSE	Alumni suggested that to provide job opportunities to fresh bachelors through references of professional	Training and placement cell provided job opportunities through references of professionals	
16	Alumni	CSE	Alumni suggested that conduct orientation and training programs to students on various topics to enhance their skills	The college training sessions on industry practices and professional approach by industry professionals	https://avanthienggcollege.ac.in/assets/student24/alumni_feedback%20action%20taken_cse.pdf
17	Alumni	CSE	Need to strengthen Alumni Association to assist in college development and growth	The institute has taken steps to strengthen alumni association	
18	Alumni	CSE	To arrange guest lectures/training or motivational sessions	The institute has conducted guest lectures/training or motivational speech by inviting reputed academician and experts	
19	Employers	CSE	Need to improve coding skills	Planned to conduct in-house Training session from soft skill trainers for improving soft skills	https://avanthienggcollege.ac.in/assets/student24/employeer_action%20taken_cse.pdf
20	Employers	CSE	The students are be strong in their aptitude skills, as	Intensive training on aptitude training was planned for the next academic year	



21	Employers	CSE	Need to focus on core competency. Work on soft skills and communication skills	Focus is given on enhancing students communication skills and programming solving skills.	
22	Employers	CSE	Industry orientated course work on advanced topics like AI & ML	It is decided to conduct value added courses on latest software	
23	Employers	CSE	Work on hands on tools like C and C#	Students were given special training in C and C++ programming skills	
24	Employers	CSE	Analytical skills and communication skills	Students were encouraged to come up with real time engineering problems and think of probable solutions	
25	Employers	CSE	Need to introduce internships	As an affiliated institute we are able unable to introduce new courses instead of that we are encourage students towards internship.	

12. Number of students from other States and Countries admitted in the department:

Year of enrolment	**Number of students enrolled from other states**	**Number of students enrolled from other countries**	Link of the relevant document
2023-24	NIL	NIL	--------

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2023-24	B.Tech (CSE)	05	180	193
2023-24	B.Tech (CS-AI&ML)	42	60	54
2023-24	B.Tech (CSD)	44	60	41
2023-24	M.Tech (CSE)	D58	12	03

14. Number of seats filled against seats reserved for various categories (including Divyangjan) in the department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
CSE	2023-24	27	12	48	9	2	154	28	
CSE (AI&ML)	2023-24	9	4	16	3	0	45	6	
M. Tech (CSE)	2023-24	1.8	0.84	3.24	0	0	4	1	

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
NIL	NIL	NIL	NIL	NIL	NIL	NIL

15. Special programmes conducted by the department for advanced learners and slow learners: Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners It is well-acknowledged fact that in every year diversified students from different backgrounds join the institute. The ability of learning of the students are highly influenced by their background as well as their personal abilities and other attributes. The institute has developed a structured mechanism for assessing the learning levels of the students and continuously monitors the same for

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improving their academic as well as overall performance. Efforts to identify the students' learning levels: Students are made aware of the requisites by the faculty members. The initial informal interaction during Induction Program just after their entry. Coupled with continuous evaluation helps the teachers to assess the learning level of the students and identify and differentiate the slow learners and advanced learners in the classroom. Program for slow learners: Each mentor is assigned with a group of students per year to provide counselling for improvement. The humanities department arranges spoken English classes for the benefit of those whose proficiency in English is low. The different departments of AIET conduct remedial classes and provide course notes for students who are slow learners.

16. Student- Full time teacher ratio:

Upload Faculty List with details like designation, experience, qualification, other states, Awards and recognition, ICT tools used, etc
Proofs required - Approval letters, Qualification certificate, PG/PhD Recognition, Experience Letters - Faculty Data and relevant proof

https://avanthienggcollege.ac.in/faculties_list

Year	Number of students enrolled in the department (UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	ST R
2023-24	263	3	34	4	4	

17. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled
Professor	3	3
Associate Professor	3	3
Assistant Professor	28	28
Total	34	34

18. Number of full time teachers with Ph.D. degree:

Year	Total No. Full time Teachers	No. of teachers with PhD
2023-24	34	3

19. Details of full time teachers who received awards, recognition, fellowship at State, National, International level from government, recognized bodies:

Year	No. of Full time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2023-24	34	1	

20. Number of full time teachers from other States against sanctioned posts:

Year	No. of Full time Teachers	No. of teachers from other states
2023-24	34	Nill

21. Details of examination related grievances received if any:NIL

22. Adherence to the academic calendar: http://avanthienggcollege.ac.in/curriculam_planing

23. Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
05	Bachelor in Computer Science & Engineering	4	173	145

24. Details of the teachers recognized as research guides:

S No	Name of teachers recognized as research guides	PhD Recognition	Department	Year of Recognition
	NIL	NIL	NIL	NIL

25. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices:

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S. No	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-AcademiaInnovative practices)	Link
1	2023-24	A Seminar on How to Build a Start up	24-06-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
2	2023-24	A Workshop on Smartboard for the Smarter Teaching	01-07-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
3	2023-24	A Workshop on Emerging Trends in IPR regime	27-9-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
4	2023-24	A THREE DAY WORKSHOP ON "FINANCIAL WELLNESS"	7-3-2024	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf

26. Details of incentives to teachers who receive state, national and international recognition/ awards:

S. No	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
1	Dr T Srinivasa Rao	BHISHMA ACHARYA AWARD	Bharat Education Awards
2	Dr T Srinivasa Rao	MASTER EDUCCATOR IN ACADEMIC LEADERSHIP AWARD	ARTIFICIAL INTELLIGENCE MEDICAL & ENGINEERING RESEARCHERS SOCIETY

27. Details of research papers published by teachers in the Journals notified on UGC website:

S No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal
1	NATURE'S PHARMACY: A DEEP LEARNING APPROACH FOR IDENTIFICATION OF MEDICINAL PLANTS	UPPE NANAJI	COMPUTER SCIENCE AND ENGINEERING	i-manager's Journal on Future Engineering & Technology	Jun-24	Vol. 19 No. 4	https://doi.org/10.26634/jfet.19.4.20869
2	PERFORMANCE	UPPE NANAJI *	COMPUTER SCIENCE	i-manager's Journal on	23/05/2024	Vol. 12 No. 2	https://doi.org/10.26634/jwcn.12.2.20853

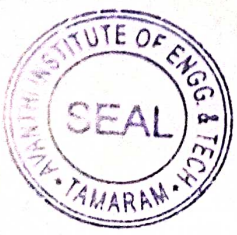
	EVALUATION WITH SCALABILITY VARYING ON ENERGY CONSUMPTION IN S-DYMO, M-DYMO AND FB-B-DYMO ROUTING ALGORITHM IN MANETS	MOHAN RAO C. P. V. N. J. ** CHIRANJEEVI M. ***	AND ENGINEERING	Wireless Communication Networks			
3	SECURITY-ANODR FOR PROVISIONING OF NEIGHBOUR SECURITY IN MANET	UPPE NANAJI * MOHAN RAO C. P. V. N. J. **	COMPUTER SCIENCE AND ENGINEERING	i-manager's Journal on Wireless Communication Networks	30/05/2024	Vol. 12 No. 2	https://doi.org/10.26634/jwcn.12.2.20868

4	A STUDY ON ENERGY CONSUMPTION AND IMPACT ON NETWORK LIFETIME USING ANODR AND DYMO ROUTING PROTOCOL IN MANETS USING QUALNET SIMULATOR	UPPE NANAJI	COMPUTER SCIENCE AND ENGINEERING	i-manager's Journal on Communication Engineering and Systems,	23/05/2023	Vol. 13 No 1	https://doi.org/10.26634/jcs.13.1.20854

28. Details of books and chapters in edited volumes/books published and papers in national/ international conference:

S.No	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
01	N V Ashok Kumar	MODELING, ANALYSIS AND FABRICATION OF HOTEL SERVICING ROBOT	MODELING, ANALYSIS AND FABRICATION OF HOTEL SERVICING ROBOT	IIP Series, Volume 3, Book 4 , Part 4 ,Chapter 1		international	2024	e-ISBN: 978-93-5747-908-0	Avanthi Institute of Engineering and Technology, Makavarapalem	IIP Series

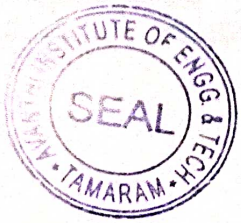
29. Details of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:



S. No	Name of the activity	Organising unit/ agency/ collaboratin g agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	15
2	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	2023	1	1
3	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY, NAVY AND AIR FORCE UNITS	NCC	2023	1	2
4	YOGA DAY	NSS	06-05-2023	20	125
5	International YOGA DAY	NSS	21-06-2023	30	214
6	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	09-08-2023	50	245
7	DAY-2 : Taking the Panch Pran Pledge	NSS	10-08-2023	55	234
8.	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	11-08-2023	40	225
9.	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	14-08-2023	45	245
10.	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	15-08-2023	30	185
11.	DAY-6 : Online Pledge and Planting a Tree	NSS	16-08-2023	30	176
12.	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	17-08-2023	40	167
13.	DAY-8 : Video of NSS Participation in Various Events	NSS	18-08-2023	50	246
14.	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	19-08-2023	45	214
15.	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	20-08-2023	50	222
16.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	17

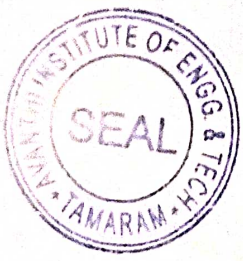
17.	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	2023	1	1
18.	Tree Plantation	NSS	31-08-2023	40	245
19.	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	21-09-2023	50	234
20.	DAY - 2 : Single-use Plastic Awareness Programme	NSS	22-09-2023	55	225
21.	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	23-09-2023	55	145
22.	Voter Registration Awareness	NSS	30-12-2023	30	224
23.	Republic Day	NSS	26-01-2024	95	325
24.	EDU Youth Meet (Gitam University)	NSS	30-01-2024	30	115
25.	COMBINED ANNUAL TRAING CAMP - II	NCC	2024	1	2
26.	B - CERTIFICATES	NCC	2024	2	16
27.	Teacher's day	AIET, MAKAVARAPALEM	05-09-2023	110	118
28.	Women's day	AIET, MAKAVARAPALEM	12-11-2023	40	43
29.	Engineer's day	AIET, MAKAVARAPALEM	15-09-2023	70	118
30.	Sport's day	AIET, MAKAVARAPALEM	29-08-2023	40	62
31.	Enti ragging awarness	AIET, MAKAVARAPALEM	14-09-2023	40	132
32.	Industrial safety awarness	AIET, MAKAVARAPALEM	09-12-2023	40	124
33.	National constitutional day	AIET, MAKAVARAPALEM	26-11-2023	40	129
34.	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	27-11-2023	40	76
35.	VOTERS DAY	NCC, NSS (AIET, MAKAVARAPALEM)	25-01-2024	60	158
36.	Pongal celebrations	AIET, MAKAVARAPALEM	11-01-2023	90	563
37.	VIKSIT BHARAT	AIET, MAKAVARAPALEM	19-12-2023	75	476
38.	pradhan mantri su-raj programme	AIET, MAKAVARAPALEM	13-03-2024	75	496

39. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.



S No	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
1	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	15
2	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	1
3	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	DDG,NCC,AP&T DIRECTORATE,SECUNDERABAD	2023	2
4	YOGA DAY	NSS	YOGA DAY	06-05-2023	125
5	International YOGA DAY	NSS	International YOGA DAY	21-06-2023	214
6	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	Independence day	09-08-2023	245
7	DAY-2 : Taking the Panch Pran Pledge	NSS	Independence day	10-08-2023	234
8	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	Independence day	11-08-2023	225
9	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	Independence day	14-08-2023	245
10	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	Independence day	15-08-2023	185
11	DAY-6 : Online Pledge and Planting a Tree	NSS	Independence day	16-08-2023	176

12	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	Independence day	17-08-2023	167
13	DAY-8 : Video of NSS Participation in Various Events	NSS	Independence day	18-08-2023	246
	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	Independence day	19-08-2023	214
14	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	Independence day	20-08-2023	222
15	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	17
16	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	1
17	Tree Plantation	NSS	Tree Plantation	31-08-2023	245
18	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	Swachh Bharat	21-09-2023	234
19	DAY - 2 : Single-use Plastic Awareness Programme	NSS	Swachh Bharat	22-09-2023	225
20	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	Swachh Bharat	23-09-2023	145
21	DAY - 4 : Social Media Awareness on Cleanliness	NSS	Swachh Bharat	25-09-2023	167
22	DAY - 5 : Swachhta Cleaning Activity	NSS	Swachh Bharat	26-09-2023	142
23	DAY - 6 : Swachhta Pledge Taking Event	NSS	Swachh Bharat	27-09-2023	242
24	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	Swachh Bharat	29-09-2023	324
25	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	Swachh Bharat	30-09-2023	214
26	Sardar Vallabhai Patel Birth Anniversary	NSS	Sardar Vallabhai Patel Birth Anniversary	31-10-2023	176

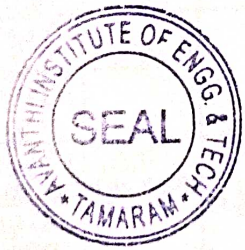


27	National Constitution Day	NSS	National Constitution Day	25-11-2023	125
28	Voter Registration Awareness	NSS	Voter Registration Awareness	30-12-2023	224
29	Republic Day	NSS	Republic Day	26-01-2024	325
30	EDU Youth Meet (Gitam University)	NSS	EDU Youth Meet (Gitam University)	30-01-2024	115
31	COMBINED ANNUAL TRAING CAMP - II	NCC	14(A)BN NCC SRIKAKULAM	2024	2
32	B - CERTIFICATES	NCC	B - CERTIFICATES	2024	16
33	Teacher's day	AIET, MAKAVARAPALEM	Teacher's day	05-09-2023	118
34	Women's day	AIET, MAKAVARAPALEM	Women's day	12-11-2023	43
35	Engineer's day	AIET, MAKAVARAPALEM	Engineer's day	15-09-2023	118
36	Sport's day	AIET, MAKAVARAPALEM	Sport's day	29-08-2023	62
37	Enti ragging awarness	AIET, MAKAVARAPALEM	Enti ragging awarness	14-09-2023	132
38	Industrial safety awarness	AIET, MAKAVARAPALEM	Industrial safety awarness	09-12-2023	124
39	National constitutional day	AIET, MAKAVARAPALEM	National constitutional day	26-11-2023	129
40	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	Protection of girls hegine and cyber security	27-11-2023	76
41	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	VOTERS DAY	25-01-2024	158
42	Pongal celebrations	AIET, MAKAVARAPALEM	Pongal celebrations	11-01-2023	563
43	VIKSIT BHARAT	AIET, MAKAVARAPALEM	VIKSIT BHARAT	19-12-2023	476
44	pradhan mantri su-raj programme	AIET, MAKAVARAPALEM	pradhan mantri su-raj programme	13-03-2024	496
45	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	15

40. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- job training, research etc:

S. No	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage
1	DATA SCIENCE MASTER VIRTUAL INTERNSHIP	EDU skills	2024	10 weeks	
2	INTERNSHIP ON DEEP LEARNING/NLP/ARTIFICIAL INTELLIGENCE	EXCELR AND APSCHE	2024	6 WEEKS	
3	AWS CLOUD VIRTUAL INTERSHIP	EDU skills	2023	10 WEEKS	
4	Zero Trust Cloud Security Vertual Internship	EDU skills	2023	10 WEEKS	
5	AWS AI-ML Virtual Internship	EDU skills	2022	10 WEEKS	
6	Palo Alto Cybersecurity Virtual Internship	EDU skills	2022	10 WEEKS	
7	Recruitment and Selection Process	Mouritech Pvt Ltd. Visakhapatnam	2023	4 WEEKS	

41. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:



Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
1	BENCH MARK ENGINEERING SOLUTIONS	BENCH MARK ENGINEERING SOLUTIONS	31-08-2023	1 YEAR AND EXTENDED	industrial Projects , Internships & Industry visits	110
2	NOVEL PATENT SERVICES	NOVEL PATENT SERVICES	27-05-2023	1 YEAR AND EXTENDED	For Patent Services for Faculty	128
3	EDU Skills	EDU Skills	30.11.2022	1 YEAR AND EXTENDED	For EDU Skills Membership Program	423
4	TALENTISE GLOBAL PRIVATE LIMITED	TALENTISE GLOBAL PRIVATE LIMITED	09.12.2022	1 YEAR AND EXTENDED	Campus placement	297
5	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	07.10.2021	1 YEAR AND EXTENDED	Training and visits	423
6	ELECTROPRO	ELECTROPRO	07.10.2021	1 YEAR AND EXTENDED	IOT TRAINING AND PROJECT IMPLEMENTATION	297
7	BYTEXL	BYTEXL	21.04.2021	1 YEAR AND EXTENDED	CRT TRAINING	297
8	SHA ASSOCIATES	SHA ASSOCIATES	10.09.2021	1 YEAR AND EXTENDED	industrial Projects & Consultancy	425
9	HOBEL BELLOWS	HOBEL BELLOWS	28.08.2021	1 YEAR AND EXTENDED	Campus placement	72
10	SYTIZEN TECH	SYTIZEN TECH	13.08.2021	1 YEAR AND EXTENDED	Campus placement	297

11	INSIPREDGE	INSIPREDGE	02.09.2021	1 YEAR AND EXTENDED	Industrial visits and intership	297
12	MIRACLE SOFTWARE SOLUTIONS	MIRACLE SOFTWARE SOLUTIONS	22.02.2021	1 YEAR AND EXTENDED	Campus placement	138
13	BRANDIX	BRANDIX	10.08.2021	1 YEAR AND EXTENDED	Campus placement	297
14	SURYAVARDHAN INTEGRATIONS	SURYAVARDHAN INTEGRATIONS	21.09.2016 ONWARDS	1 YEAR AND EXTENDED	Industrial visits and intership	34
15	NICCO VENTURES LTD	NICCO VENTURES LTD	13.10.2020 ONWARDS	1 YEAR AND EXTENDED	Campus placement	297
16	APITA	APITA	14.12.2015 ONWARDS	1 YEAR AND EXTENDED	Campus placement and Skll development program	423
17	EMMUNAL GENERAL HOSPITAL	EMMUNAL GENERAL HOSPITAL	20.09.2015 ONWARDS	1 YEAR AND EXTENDED	GENERAL	ALL STUDENTS AND FACULTY
18	4C DESIGNENGG	4C DESIGNENGG	01.07.2019	01.07.2022	Skll development program	72
19	MECHNOGENT	MECHNOGENT	10.09.2019	10.09.2022	Skll development program	72
20	APSSDC	APSSDC	09.09.2019	09.09.2022	Campus placement and Skll development program	423

42. Details of departmental infrastructural & other facilities:

a. Departmental Library : YES
b. Institute Library: YES
c. Computers and Internet facilities for staff connection of 100Mbps bandwidth
d. Total number of class rooms: 11
e. Class rooms with ICT facility:11
f. Students' laboratory: 05
g. Research laboratories: 01

SEAL

h. Seminar Hall: 01
i. Smart class room: 01
j. Any other facility LCD:01

43. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
750	360	2.08

44. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
NIL	NIL

45. Details of maintenance of laboratory and classrooms:

Maintenance of all laboratories are done by the laboratory assistants in consultation with the laboratory incharge. Maintenance activities are recorded in logbook and kept in every laboratory.

The institute has well defined system of maintenance of its academic, physical and support like laboratory, library, sports, computers, class rooms etc. The maintenance committee headed by The Principal and convened administrative officer who intern monitor the work of supervisor involved in the maintenance of overall infrastructure facilities.The team looks after regular maintenance and repair of furniture, air conditioning systems and solar panels, plumbing, housekeeping, gardening, transport, RO plan. Regular cleaning of class rooms, floor, laboratories, library and rest rooms are done by housekeeping staff. The college has electricians & plumbers who maintain RO system, electrical and water facilities in college and hostel.The college has power backup with generator (93.2 KVA) and 120 KVA Roof Top solar panel power generation system is available in the campus. Maintenance of Laboratory equipment: ? The laboratory/workshop equipment and machinery are maintained by welltrained technical staff. The minor repair/service will be done by Page 31/57 03-05-2023 11:31:15 Annual Quality Assurance Report of AIET the technical staff with lab in- charges. Annually stock verification of all laboratories and other facilities are carried out. The computer laboratories are supported with power backup system UPS. https://avanthienggcollege.ac.in/infrastracture

46. Number of students benefited by scholarships and freeships provided by the Government: Link to document-

Name of the scheme	Number of students benefited by government scheme (Scholarships)	Number of students benefited by government scheme(freeships)	State Minority Scholarship	Merit Cum-Means Scholarship
BC	199	----------	----------	----------
EBC	0	----------	----------	----------
OC	34	----------	----------	----------
SC	12	----------	----------	----------
ST	2	----------	----------	----------
MINORITY	0	----------	----------	----------

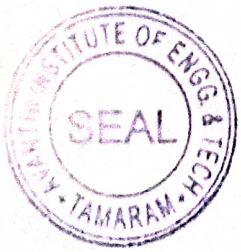
47. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes:

Upload relevant Documents here_Freeships/Scholarships

Name of the scheme with contact information	Number of students benefited by non-government schemes
Avanthi MKP Vasathi Deevena	40
Avanthi MKP Vahana Mitra	57
Avanthi MKP Vidya Deevena	38

48. Number of students enrolled capability enhancement and development scheme:

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Soft Skills Development	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Remedial Coaching	03-05-2024	40	Mr.KSantosh kumar Assistant Professor,7989157802 AIET,Makavarapalem
Communication Skills	21/08/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Bridge Course	11-06-2023	30	PIXELWIND TECHNOLOGIES,Dwaraka nagar Visakhapatnam, PH:9398929970
Yoga Sessions	20/11/2023	100	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067
Aptitude Training	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Reasoning Skill	13/09/2023	297	BYTEXL INDIA PRIVATE LIMITED,Hyderabab,Telangana, CHARAN@BYTEXL.COM 040-740-250-568
Technical Skills(C Programming,Python Programming)	10-05-2023	150	Mr.K Shankar,Visakhapatnam
Motivation Class	18/01/2024	176	Sri Sri Gurudev Siva Shankar
Career Guidance	19/02/2024	297	Mr.Sri Sri Siva Shankar Engineer,Visakhapatnam
Stress Management	16/03/2024	176	Brahmakumaris Rajayogi Meditation Centre,Visakhapatnam, info@brahmakumaris.com 7947111067



49. Number of students in the department benefitted by guidance for competitive examinations and career counseling offered by the institution:

Year	Name of the scheme	Number of students benefited /attended/participated by career counseling/Competitive exam activities
2023-24	Training for competitive exams (GATE/PGECET)/CAREER COUNSELLING	148
2023-24	Training for Career councling towards placements	96

50. Number of students attending Vocational Education and Training (VET) NIL

51. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
4	4	2

52. Number of outgoing students placed along with name of the employer with contact details:

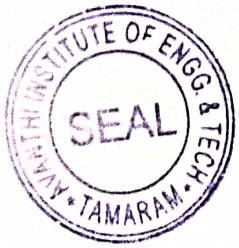
Number of students placed	Name of the employer with contact details	Package received	Program graduated from
1	ACCENTURE	4	B TECH
7	NIPUN NET SOLUTION PVT LTD	3	B TECH
13	KODNEST	1.8	B TECH
14	[24]7.AI	3	B TECH
1	APTROID	4	B TECH
8	TECH MAHINDRA	3	B TECH
1	APTROID CONSULTING INDIA PVT LTD	5	B TECH
2	NIPUN NET SOLUTIONS PVT LTD	2.4	B TECH
1	AMAZON	3.2	B TECH
1	TCS DIGITAL	7	B TECH
1	ACCENTURE	4.5	B TECH
1	ACCENTURE	4.6	B TECH
1	CODE YOUNG	5	B TECH
1	ALLSEC TECHNOLOGIES	2	B TECH

53. Details of the students going for higher education:

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
1	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	NIT - DURGAPUR	M.TECH IN NEXT GENERATION COMMUNICATION &NETWORKS.
1	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	NIT - DURGAPUR	M.TECH IN OPERATION RESEARCH
2	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	J N T UNIVERSITY, KAKINADA	M.TECH IN CSE
1	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	GMR INSTITUTE OF TECHNOLOGY,RAJAM.	M.TECH IN CSE
1	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	VIGNANS INSTITUTE OF ENGINEERING AND TECHNOLOGY,DUVVADA.	M.TECH IN CSE
1	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	MVGR COLLEGE OF ENGINEERING VIZIANAGARAM	M.TECH IN CSE
1	B-TECH (CSE)	COM PUTER SCIENCE ENGINEERING	DADI INSTITUTE OF ENGINEERING &TECHNOLOGY	M.TECH IN CSE
1	B-TECH (CSM)	COM PUTER SCIENCE &MACHINE LEARNING	VIGNANS INSTITUTE OF ENGINEERING AND TECHNOLOGY,DUVVADA.	M.Tech In AI&ML

54. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

Number of students selected/ qualifying									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
7818060061									PGECET
7818060248									PGECET
7818060333									PGECET
7818060412									PGECET
7818060525									PGECET
7818060631									PGECET
7818060754									PGECET
7818060888									PGECET
7818060895									PGECET
7818060910									PGECET
7818060531									PGECET
7818060585									PGECET
7818060602									PGECET

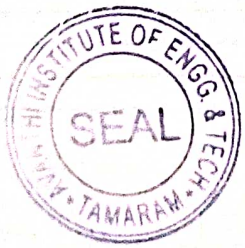


Number of students appearing									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
7818060061									PGECET
7818060248									PGECET
7818060333									PGECET
7818060412									PGECET
7818060525									PGECET
7818060631									PGECET
7818060754									PGECET
7818060888									PGECET
7818060895									PGECET
7818060910									PGECET
7818060531									PGECET
7818060585									PGECET
7818060602									PGECET

55. Details of the student council and the departmental student chapters:

Name	Year	Designation
Ms K Hema	III	Student Member In Admission Committee
Ms V Satya Sai	IV	Student Member In Career Guidance & Placement Committee
Ms V Geetha Madhuri	III	Student Member In Sports Committee
Ms G Ramya	IV	Student Member In Cultural Committee
Mr P Venu Gopal	IV	Student Member In Newsletter Committee

Ms Y Sailatha	IV	Student Member In Grievance Redressal Committee
Ms V Ramya Sri	IV	Student Member In Women Grievance Redressal Committee
Ms U Geethadevi	III	Student Member In SC/ST Grievance Committee
Ms R Thanuja	III	Student Member In Anti ragging Committee
Ms U Anitha	III	Student Member In Sexual Harassment Committee
Mr V Yaswanth	III	Student Member In Building & Hygiene Committee
Ms T Swaroopa Rani	IV	Student Member In Transport Maintenance Committee
Mr K Siva Kumar	IV	Student Member In Electrical Maintenance Committee
Ms P Bhargavi	IV	Student Member In Equipment maintenance Committee
Ms V Sai Prasanna	IV	Student Member In Internal Maintenance Committee
Ms P Thanusha	IV	Student Member In Library Maintenance Committee
Ms T Pratyusha	IV	Student Member In Hostel Maintenance Committee
Ms S Bindu Sree	IV	Student Member In Canteene Maintenance Committee
Ms S Sreelekha	IV	Student Member In Water Maintenance Committee



56. Number of sports and cultural activities/competitions organized at the institution level: Link for relevant Documents here_Institute level activities

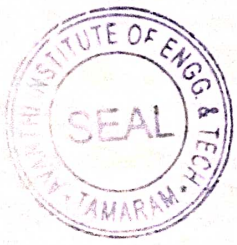
Sr. No.	Name of the activity	Event Date
1	VOLLEY BALL-BOYS	93
2	BASKET BALL-BOYS	80
3	CRICKET-BOYS	101
4	KABADDI-BOYS	84
5	KHO-KHO-BOYS	65
6	TABLE TENNIS SINGLES-BOYS	38
7	TABLE TENNIS-BOYS	42
8	BADMINTON SINGLES-BOYS	39
9	BADMINTON-BOYS	35
10	CHESS-BOYS	32
11	CARROM-BOYS	42
12	LONG JUMP-BOYS	20
13	DISC THROW-BOYS	28
14	SHOT PUT-BOYS	20
15	100M RUNNING-BOYS	16
16	200M RUNNING-BOYS	16
17	400M RUNNING-BOYS	16
18	BADMINTON-GIRLS	30
19	BADMINTON SINGLES-GIRLS	30
20	KABADDI-GIRLS	45
21	KHO-KHO-GIRLS	56
22	TABLE TENNIS-GIRLS	38
23	TABLE TENNIS SINGLES-GIRLS	36
24	LONG JUMP-GIRLS	28
25	THROW BALL-GIRLS	33
26	100M RUNNING-GIRLS	18
27	200M RUNNING-GIRLS	16
28	400M RUNNING-GIRLS	16
29	CHESS-GIRLS	24
30	CARROM-GIRLS	24
31	DEBATE	44
32	ESSAY WRITING	35
33	SOLO DANCE	16
34	QUIZ	29
35	SKIT PLAY	20
36	CHESS- BOYS	36
37	LONG JUMP	25
38	SHOT PUT- BOYS	23

57. Details of the contributions of alumni in the development of the department/ institution through financial and non financial means:

Link for relevant Documents here - Alumni

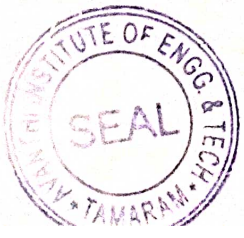
Sr. No	Date	Title	Speaker	Attendees	Duration
1	12-08-2023	Cloud computing	P. Madhu	55	3
2	15-09-2023	Computer Peripheral	P. Swapna Harika	38	2
3	18-12-2023	Random number generators	Ms. Nandhini	60	3
4	27-01-2024	Geographic information system	Mr. G. Vara prasad	44	3
5	09-03-2024	Data warehousing	Mr. K. Sunandh	48	2

58. Details of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies:



S. No	Name of teacher	PAN	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of suppo (REMARK)
	Dr C P V N J Mohan Rao		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	Dr U Nanaji		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	S Venkata Rao		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	M Sagar		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	K Vara Prasad		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	V Trinadha		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	N V Ashok Kumar		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	M Chiranjeevi		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	B Ganesh		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		200
	L Nageswara Rao		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000

	G Chinni		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	B Priyalakshmi		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	N Saraanya		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	Ch Dhana Lakshmi		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	M Jagadeeswari		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	K Asha Devi		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	N Srinivasa rao		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	S Sarika		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	K Sri Lakshmi		A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"		1000
	Dr C P V N J Mohan Rao		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500
	Dr U Nanaji		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500

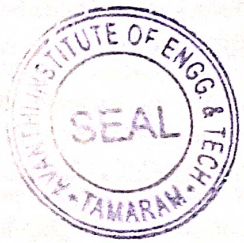


	Ch Dhana Lakshmi		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500
	M Chiranjeevi		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500
	G Varahagiri		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500
	N Saraanya		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500
	M Sagar		1st International Conference on Computing for Science, Engineering & Artificial Intelligence – 1stCSEAi 2023		1500
	Dr C P V N J Mohan Rao		One Day Workshop on "NIRF Ranking – 2024"		200
	Ch Dhana Lakshmi		6 Days AICTE Training & Learning (ATAL) Academy - Eduskills FDP on "Googleai - ML"		5000
	K Asha Devi		6 Days AICTE Training & Learning (ATAL) Academy - Eduskills FDP on "Googleai - ML"		5000

59. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:

Sl. No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non- teaching staff	Dates (from- to)	Dates (from-to) Non Teaching	No of participants (Teaching staff)	No of participants (Nonteaching staff)
1	A Three day Workshop on "Financial wellness"		07/03/2024 to 09/03/2024	07/03/2024 to 09/03/2024	128	28
2	A One week Online FDP on "Machine Learning and its Applications"		23/10/2023 to 28/10/2023	23/10/2023 to 28/10/2023	136	

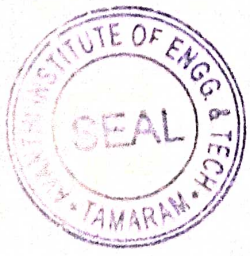
60. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:



Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
Dr C P V N J Mohan Rao	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
Dr U Nanaji	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
S Venkata Rao	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
M Sagar	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
K Vara Prasad	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
V Trinadha	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
N V Ashok Kumar	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
M Chiranjeevi	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
B Ganesh	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
L Nageswara Rao	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
G Chinni	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023

B Priyalakshmi	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
N Saraanya	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
Ch Dhana Lakshmi	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
M Jagadeeswari	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
K Asha Devi	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
K Sri Lakshmi	A Fifteen Day Short Term Online Course on "Emerging Research Trends in Computer Science and Engineering"	26-06-2023 to 10-07-2023
V Syamala	One Week Online International Workshop on "Introduction to Machine Learning and Deep Learning (Hands-on)	31-07-2023 to 05-08-2023
K Sandhya Sri	One Week Online International Workshop on "Introduction to Machine Learning and Deep Learning (Hands-on)	31-07-2023 to 05-08-2023
Dr C P V N J Mohan Rao	One Day Workshop on "NIRF Ranking – 2024"	01-12-2023
Ch Dhana Lakshmi	6 Days AICTE Training & Learning (ATAL) Academy - Eduskills FDP on "Googleai - ML"	19-02-2024 to 24-02-2024
K Asha Devi	6 Days AICTE Training & Learning (ATAL) Academy - Eduskills FDP on "Googleai - ML"	19-02-2024 to 24-02-2024

61. Total Grants received from non-government bodies, individuals, Philanthropist: Upload relevant documents here - Grants received



Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
NIL	NIL	NIL

62. Details of quality enhancement initiatives in the academic and administrative domains of the department:
Link for relevant Documents

https://avanthienggcollege.ac.in/iqac2024

i) Opportunity for higher studies (1 faculty has completed PhD while working in the college).
ii) Regular Industrial visits are organised for the benefit of the students.
iii) Faculty and students are encouraged to take NPTEL and Coursera courses.
iv) Introduction of ARAI-PIP to benefit students.
v) Most of the administration is paperless and most communications are made through emails and due to Covid pandemic situation, most of the administration and academics happened through online platforms.
vi) Due to Covid pandemic situation, many webinars by industry experts and academicians are conducted for students and faculty

63. Number of gender equity promotion programmes organized by the department:

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2023	Program On Self Defense	16-06-2023	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Women Safety and Respect	23-06-2023	100	
2023	Counselling Program on Mental Health & Self Care	09-09-2023	50	
2023	Program on Personality Development Program-Career Guidance	12-10-2023	50	
2023	Awareness On Business Development Skills For Women	21-10-2023	100	
2024	International women's day	08-03-2024	100	

64. Details of the final year project: Total
Project groups- 35

InHouse: 35
Industry: 00

65. Initiatives taken by the department to enhance the quality of teaching learning process, research and entrepreneurship:

1. APSSDC – Centre of Excellence for certification courses.
2. Compulsory Internship.
3. Effective mentoring system for all round development of students.
4. ERP module for academic planning, monitoring Student centric learning environment.
5. Reformation in Assessment process as per AICTE, UGC, NAAC and NBA.
6. Outcome Based Education is Practiced by Faculty and Students
7. Centre of Excellence Labs
8. Enhancement in Publications in reputed journals.
9. Innovation contest conducted to transform student's innovation into products.
10. Industry Academia linkages.
11. Industry persons talk and entrepreneurship development programs organized.
12. ICT enabled Class room and Seminar Halls
13. Enhancement in Library facilities and Digital Library
14. Enhancement in Internet Bandwidth
15. Enhancement in Placement
16. Two days National Level Technical Meet by inviting Top-notch Professionals.
17. Improvement in Alumni Engagement
18. Enhancement in faculty and staff welfare measures.
19. Involving experts from Industry/ Reputed Institutes in various decision making bodies.
20. Invited talk series, curriculum part delivery and audits

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Head of Department

SEAL

IQAC CELL

ACADEMIC AUDIT REPORT (2023-2024)

Dept of COMPUTER SCIENCE AND ENGINEERING

A.Y: 2023-2024 **I SEMESTER (JULY – DEC)**

Date of Audit: 22-08-2024

1.COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC is enclosed
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented as consolidated as per format. https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and it's Minutes of meeting, Curriculum changes and it's evidences are enclosed.
4	Percentage of Lab component	30.23%(6.5/21.5) -2-1-**R20** 23.25%(5/21.5) -3-1-**R20** 8.69%(2/23) -4-1-**R20** 23.07% (4.5/19.5)-**R23** M. Tech 22.22%(4/18)-**R19** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	3-Open elective- **R20** 13.6%(9/66)- 4-Professional Elective-R20 18.18%(12/66) M. Tech -**R19** 3core electives+1 professional elective 33.3% (6/18) in I-I&37.5%(6/16) https://avanthienggcollege.ac.in/academic_flixbility

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 34 faculty are assigned to teach for 750 students
2	Faculty cadre ratio Prof: Assoc: Asst	Professors: 3 Associate Professor: 3 Assistant Professors: 28
3	Faculty qualifications	Doctorates: 3 Ph.D. Pursuing: 3 M. Tech: 28
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies and its evidence is enclosed.
7	Faculty as resource persons in workshops/training activities	Training Programs: 2
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's:	FDP's: 2
9	List of conferences/seminars/workshops/FDP's/ any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of CSE Department attended workshops/FDP's/Training Programs and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

3. Teaching learning process and evaluation

S.NO	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.
2	Mechanism and activities for slow learners improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slow learners
3	Student counselling/mentoring mechanism	20 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: ---Best Projects	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process • Observation of teaching process in class rooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes, question papers of mid and semester end examinations in E-learning portal • verification of evaluated answer papers • checking the quality of mid examinations question papers • Innovative teaching	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed. by any consequences if there is any lag-on of syllabus extra classes will be conducted • Track sheets are maintained to review syllabus coverage. • Evaluation of answer papers as per the allotment of marks • Yes, the quality of mid-exam question papers is regularly checked by exam cell co-ordinator and the principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD. • Minutes of meetings are regularly conducted to discuss the matters that are related to Time Tables, academic planning and its facilities provided

	methods presented • Verification of course files • Minutes of class committee meetings and action taken	
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures are conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:6 Programs are conducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Internship with other industries are done and its evidences are enclosed. https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by students feedback. https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning • certificate courses • online courses	Faculty members were very instrumental in designing and developing 2 Add- on and Certificate course programs.
11	Result analysis and conduct of remedial classes for students with backlogs	• Based on the results of mid exams, remedial classes are conducted. • Based on the results of main exams, backlog classes are conducted.
12	Placements ---(%): Industries/organizations:	NIL
13	Higher studies(%): --Institutions:	https://avanthienggcollege.ac.in/assets/pdf/HigherStudies_Supporting_Document_2023-24.pdf
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities.

4. Research consultancy and Extension

S.NO	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--3 Submitted: --Nil Awarded: Nil Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	NIL
7	MOU's with industries/R&D/Premier Institutes	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
8	Research centers of excellence established:	Recognized as JNTUK Research centre of excellence for the academic year 2021-2022
9	Skill development center established	YES, Skill development center established in collaboration with APSSDC

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teaching learning process Class rooms: Laboratories: E-class rooms: Seminars: Faculty rooms:	Classrooms:15 Laboratories:05 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 2
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	3 members of Technical and 3members of administrative support is provided. N.V Ashok Kumar---Technical K. Vara Prasad---- Technical V. Trinadh---- Technical Siva Kumar-- administrative support Satish--- administrative support
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumable registers in labs	
5	Details of computing facilities and software	Total number of computers:560
6	Dept, Newsletters and Magazine	Monthly:3 Bi-monthly:2 Quarterly: 4 Yearly:11 Half-yearly: 8
7	Department level library resources	NO. of Titles:22 NO. of Volumes:102 NO. of Journals:06 No. Of International Journals:4 NO. of E- Journals:70

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: Nil
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year https://avanthienggcollege.ac.in/assets/iqac/5.1.4_AI.pdf https://avanthienggcollege.ac.in/assets/iqac/5.1.3_AI.pdf
4	Industrial visits and Internships	Internships and industrial visits are regularly conducted

7. Governance, Leadership and Management

S.NO	Criterion	Observations
1	Teaching and non-teaching attended for skill development programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023-2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students attendance monitoring system: -Biometric: Attendance Registers:	Regular follow up of Face recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic

		Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places of college.

VIII Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention
2) More number of student placements
3) Research and Development cell
4) Strong department level support for faculty research activities
5) Supportive working environment among department members

Weakness

1) Lack of NRI student attraction
2) Poor English speaking capacity of the students.
3) Poor socio-economic status of the students.
4) There is a need to modernise classrooms with ICT facilities

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments
4) Opportunity to maximize the potentiality of Centres of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be done on the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

HOD-CSE

Sign. of Academic Auditors

Ms. K. Rajani
Asst. Professor, Dept. of EEE

Ms. G. Sandhya
Asst. Professor, Dept. of ECE

AVANTHI INSTITUTE OF ENGG & TECH * TAMARAM * SEAL

IQAC CELL

ACADEMIC AUDIT REPORT (2023-2024)

Dept of COMPUTER SCIENCE AND ENGINEERING

A.Y: 2023-2024 **II SEMESTER (JAN - MAY)**

Date of Audit: 22-08-2024

1.COs, POs curriculum

S.NO	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated as per the procedure established by PAC is enclosed
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented as consolidated as per format. https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and it's Minutes of meeting, Curriculum changes and it's evidences are enclosed.
4	Percentage of Lab component	30.23%(6.5/21.5) - 2-2-**R20** 30.23%(6.5/21.5) - 3-2-**R20** 23.07% (4.5/19.5) - **1-2-R23** M.Tech 22.22%(4/18) - **R19** -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	1 - Open elective - **R20** 13.9% (3/21.5)- 1 - Professional Elective-R20 13.9% (3/21.5) M.Tech - **R19** 3core electives+1 professional elective 33.3% (6/18) in I-I &37.5% (6/16) https://avanthienggcollege.ac.in/academic_flixbility

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 34 faculty are assigned to teach for 750 students
2	Faculty cadre ratio Prof: Assoc: Asst	Professors: 3 Associate Professor: 3 Assistant Professors: 28
3	Faculty qualifications	Doctorates: 3 Ph.D. Pursuing: 3 M. Tech: 28
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
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8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's:	FDP's: 2
9	List of conferences/seminars/workshops/FDP's/ any exclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of CSE Department attended workshops/FDP's/Training Programs and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

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1	Student performances Attendance Exams	List of students Detention and condonation are maintained.
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3	Student counselling/mentoring mechanism	20 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
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12	Placements ---(%): Industries/organizations:	NIL
13	Higher studies(%): --Institutions:	https://avanthienggcollege.ac.in/assets/pdf/HigherStudies_Supporting_Document_2023-24.pdf
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2	Publications in conferences: National: International:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
3	Percentage of Faculty contributing in Research Publications:	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--3 Submitted: --Nil Awarded: Nil Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done
6	Incentives for faculty R&D	NIL
7	MOU's with industries/R&D/Premier Institutes	MOU's with industries and R&D https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
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4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumable registers in labs	---
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S.NO	Criterion	Observations
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2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students attendance	Regular follow up of Face

	monitoring system: -Biometric: Attendance Registers:	recognition system as well as Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all the prominent places of college.

8. Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention
2) More number of student placements
3) Research and Development cell
4) Strong department level support for faculty research activities
5) Supportive working environment among department members

Weakness

1) Lack of NRI student attraction
2) Poor English speaking capacity of the students.
3) Poor socio-economic status of the students.
4) There is a need to modernise classrooms with ICT facilities

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments

4) Opportunity to maximize the potentiality of Centres of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be done on the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

HOD-CSE

Sign. of Academic Auditors

Ms. K. Rajani
Asst. Professor, Dept. of EEE

Ms. G. Sandhya
Asst.Professor, Dept. of ECE

AVANTHI INSTITUTE OF ENGG. & TECH. TAMARAM SEAL

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

(2023-2024)

1. Name of the Department: Department of Management Studies
2. Year of establishment:2006
3. Programmes offered: MBA
4. Details of participation of fulltime teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council:

Academic Year	Name of Faculty	Name of the body in which fulltime teacher participated	RELEVANTLINK
23-24	T.Gopi	Certificate coordinator for Business Analytics	https://avanthienggcollege.ac.in/assets/pdf/pdf2/businessanalytics_2023-24.pdf
23-24	L.Krishna Veni	Certificate coordinator for Mobile Marketing	https://avanthienggcollege.ac.in/assets/pdf/pdf2/mobilemarketing_2023-24.pdf

5. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

Name of all programs	Whether adopting CBCS course system(yes/no)	Whether adopting elective course system(yes/no)	Program Code	Year of implementation of CBCS/ elective course system	Link the relevant document
MBA	Yes	Yes	E0	2016-17	https://avanthienggcollege.ac.in/academic_flixbility

6. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

Year	Title of the programme (with 30 or more contact hours)	Type of the programme (Certificate/ Diploma programs/ Add- on programs)	Total Number of students enrolled in certificate or diploma or add-on programs	Link to the relevant document
2023-24	Business Analytics	Certificate programme	72	https://avanthienggcollege.ac.in/assets/pdf/pdf2/businessanalytics_2023-24.pdf
2023-24	Mobile Marketing	Certificate programme	47	https://avanthienggcollege.ac.in/assets/pdf/pdf2/mobilemarketing_2023-24.pdf

9.Details of value added courses imparting transferable and life skills:

SN	Name of the valueadded courses offered duringlast years	Course Code	Year of offering	Number of students enrolled in the year	Number of students completing the course in the year
1	Business Analytics	AM2324MBA01	23-24	72	72
2	Mobile Marketing	AM2324MBA02	23-24	47	47

`10. Details of the students undertaking field projects/ internships:

Program name	No of students undertaking field projects / internships	Link the relevant document
MBA	62	https://avanthienggcollege.ac.in/assets/iqac/1.3.3_AI.pdf

11. Analysis w
Alumni

11. Analysis with action taken report of feedback received from different stakeholders i.e. students, Alumni, Employer and teachers.

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1	Students	MBA	Yes	https://avanthienggcollege.ac.in/assets/student24/student%20feedback_action%20taken_mba.pdf	https://avanthienggcollege.ac.in/feedback_system
2	Teachers	MBA	Yes	https://avanthienggcollege.ac.in/assets/student24/curr_develop_mba.pdf	
3	Alumni	MBA	Yes	https://avanthienggcollege.ac.in/assets/student24/alumni_feedback%20action%20taken_mba.pdf	
4	Employers	MBA	Yes	https://avanthienggcollege.ac.in/assets/student24/employer_feedback%20action%20taken_mba.pdf	

12. Number of students from other States and Countries admitted in the department:

Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
NIL			

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2023-24	MBA	IE	120	47

14. Number of seats filled against seats reserved for various categories (including Divyangjan) inthe department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
34.8	2023-24	12	5	22	4	1	10	32	0

15. Special programmes conducted by the department for advanced learners and slow learners: Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

16. Student- Full time teacher ratio:

Upload Faculty List with details like designation, experience, qualification, other states, Awards and recognition, ICT tools used, etc
Proofs required - Approval letters, Qualification certificate, PG/PhD Recognition, Experience Letters -

Year	Number of students enrolled in the department(UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	STR
2023-24		47		8	8	6:1

17. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled
Professor		
Associate Professor	2	2
Assistant Professor	6	6
Total	8	8

18. Number of full time teachers with Ph.D. degree:

Year	Total No. Full time teachers	No. of teachers with PhD
2023-24	8	2

19. Number of full time teachers from other States against sanctioned posts:

Year	No. of Full time Teachers	No. of teachers from other states

20. Details of examination related grievances received if any: NIL

21. Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
E0	MBA	4	64	42

22. Total Grant received for research projects sponsored by the government and the non- government sources such as industry, corporate houses, international bodies, endowments, Chairs

SN	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)	Relevant Document link
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

23. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices:

Workshops/Seminars Conducted

S.No	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-AcademiaInnovative practices)	Link
1	2023-24	A Seminar on How to Build a Start up	24-06-2023	IPR	https://avanthienggcollege.ac.in/assets/iqac/3.1.3_AI.pdf
2	2023-24	A Workshop on Smartboard for the Smarter Teaching	01-07-2023	IPR	
3	2023-24	A Workshop on Emerging Trends in IPR regime	27-9-2023	IPR	
4	2023-24	A THREE DAY WORKSHOP ON "FINANCIAL WELLNESS"	7-3-2024	IPR	

24. Details of incentives to teachers who receive state, national and international recognition/ awards:

Sr. No.	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
	NIL	NIL	NIL

25. Details of research papers published by teachers in the Journals notified on UGC website:

S N	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal
1	AN IMPACT DATA ANALYTICS AND DBMS ON HRM POLICIES AND BUSINESS PERFORMANCE	Polavarapu Ganesh 5	MBA	International Research Journal of Modernization in Engineering Technology and Science	06-01-2024	Volume:06/Issue:06/June-2024 e-ISSN: 2582-5208	https://www.irjmets.com/uploadedfiles/paper/issue_6_june_2024/59100/final/fin_irjmets1718292208.pdf#:~:text=This%20study%20explores%20the%20impact%20of%20integrating%20data,HR%20professionals%20and%20quantitative%20analysis%20of%20performance%20metrics.

26. Details of books and chapters in edited volumes/books published and papers in national/ international conference:

SN	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

27. Total number of awards and recognition received for extension activities from Government/ recognized bodies:

S N	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty	Proof
NIL	NIL	NIL	NIL	NIL	NIL	NIL

28. Details of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	15
2	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	2023	1	1
3	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	2023	1	2
4	YOGA DAY	NSS	5/6/2023	20	125

SEAL

5 6	International YOGA DAY	NSS	6/21/2023	30	214
7	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	8/9/2023	50	245
8	DAY-2 : Taking the Panch Pran Pledge	NSS	8/10/2023	55	234
9	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	8/11/2023	40	225
10	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	8/14/2023	45	245
11	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	8/15/2023	30	185
12	DAY-6 : Online Pledge and Planting a Tree	NSS	8/16/2023	30	176
13	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	8/17/2023	40	167
14	DAY-8 : Video of NSS Participation in Various Events	NSS	8/18/2023	50	246
15	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	8/19/2023	45	214
16	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	8/20/2023	50	222
17	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	2023	1	17
18	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	2023	1	1
19	Tree Plantation	NSS	8/31/2023	40	245

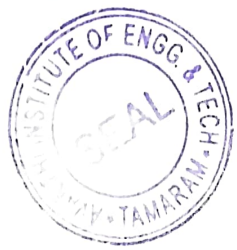
20	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	9/21/2023	50	234
21	DAY - 2 : Single-use Plastic Awareness Programme	NSS	9/22/2023	55	225
22	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	9/23/2023	55	145
23	DAY - 4 : Social Media Awareness on Cleanliness	NSS	9/25/2023	50	167
24	DAY - 5 : Swachhta Cleaning Activity	NSS	9/26/2023	40	142
25	DAY - 6 : Swachhta Pledge Taking Event	NSS	9/27/2023	55	242
26	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	9/29/2023	70	324
27	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	9/30/2023	50	214
28	Sardar Vallabhai Patel Birth Anniversary	NSS	10/31/2023	30	176
29	National Constitution Day	NSS	11/25/2023	30	125
30	Voter Registration Awareness	NSS	12/30/2023	30	224
31	Republic Day	NSS	1/26/2024	95	325
32	EDU Youth Meet (Gitam University)	NSS	1/30/2024	30	115
33	COMBINED ANNUAL TRAING CAMP - II	NCC	2024	1	2
34	B - CERTIFICATES	NCC	2024	2	16
35	Teacher's day	AIET, MAKAVARAPALEM	9/5/2023	110	118
36	Women's day	AIET, MAKAVARAPALEM	11/12/2023	40	43
37	Engineer's day	AIET, MAKAVARAPALEM	9/15/2023	70	118

38	Sport's day	AIET, MAKAVARAPALEM	8/29/2023	40	62
39	Enti ragging awarness	AIET, MAKAVARAPALEM	9/14/2023	40	132
40	Industrial safety awarness	AIET, MAKAVARAPALEM	12/9/2023	40	124
41	National constitutional day	AIET, MAKAVARAPALEM	11/26/2023	40	129
42	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	11/27/2023	40	76
43	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	1/25/2024	60	158
44	Pongal celebrations	AIET, MAKAVARAPALEM	1/11/2023	90	563
45	VIKSIT BHARAT	AIET, MAKAVARAPALEM	12/19/2023	75	476

29. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	Name ofthe activity	Organising unit/ agency/ collaborating agency	Name ofthe scheme	Year of the activity	Number of students participated insuch activities
1	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	15
2	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	1
3	ATTACHMENT OF NCC PERSONEL TO REGULAR ARMY , NAVY AND AIR FORCE UNITS	NCC	DDG,NCC,AP&T DIRECTORATE,SECUNDERABAD	2023	2
4	YOGA DAY	NSS	YOGA DAY	5/6/2023	125
5 6	International YOGA DAY	NSS	International YOGA DAY	6/21/2023	214
7	DAY-1 : Dedication of Shilaphalakam - Installation of name plate of veers	NSS	Independence day	8/9/2023	245

8	DAY-2 : Taking the Panch Pran Pledge	NSS	Independence day	8/10/2023	234
9	DAY-3 : Vasudha Vandan - Creation of Amrit Vatika with 75 saplings of indigenous trees	NSS	Independence day	8/11/2023	225
10	DAY-4 : Veeron ka Vamdan - Honouring freedom fighters/braves/retired defence personnel	NSS	Independence day	8/14/2023	245
11	DAY-5 : Hoisting of National Flag and Singing of National Anthem	NSS	Independence day	8/15/2023	185
12	DAY-6 : Online Pledge and Planting a Tree	NSS	Independence day	8/16/2023	176
13	DAY-7 : Prabhat Pheris (Morning Walk)	NSS	Independence day	8/17/2023	167
14	DAY-8 : Video of NSS Participation in Various Events	NSS	Independence day	8/18/2023	246
15	DAY-9 : Use of Taglines #Maatikonaman, #veeronkavandan on Social Media	NSS	Independence day	8/19/2023	214
16	DAY-10 : Maati(SOIL) Collection and Amrit Vatika Creation in New Delhi	NSS	Independence day	8/20/2023	222
17	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" CERTIFICATE	NCC	YUVA SHAKTI	2023	17
18	ANNUAL TRAING CAMP - IV "YUVA SHAKTI" MERIT CERTIFICATE	NCC	YUVA SHAKTI	2023	1
19	Tree Plantation	NSS	Tree Plantation	8/31/2023	245
20	DAY- 1 : Swachhta Cleaning Activity in Institute Premises	NSS	Swachh Bharat	9/21/2023	234
21	DAY - 2 : Single-use Plastic Awareness Programme	NSS	Swachh Bharat	9/22/2023	225
22	DAY - 3 : Cleaning Drives in Traditional Water Bodies and Coastal Cleaning	NSS	Swachh Bharat	9/23/2023	145
23	DAY - 4 : Social Media Awareness on Cleanliness	NSS	Swachh Bharat	9/25/2023	167
24	DAY - 5 : Swachhta Cleaning Activity	NSS	Swachh Bharat	9/26/2023	142



25	DAY - 6 : Swachhta Pledge Taking Event	NSS	Swachh Bharat	9/27/2023	242
26	DAY - 7 : Swachhta Cleaning at Makavarapalem	NSS	Swachh Bharat	9/29/2023	324
27	DAY - 8 : Swachhta Cleaning at Adopted Village and School	NSS	Swachh Bharat	9/30/2023	214
28	Sardar Vallabhai Patel Birth Anniversary	NSS	Sardar Vallabhai Patel Birth Anniversary	10/31/2023	176
29	National Constitution Day	NSS	National Constitution Day	11/25/2023	125
30	Voter Registration Awareness	NSS	Voter Registration Awareness	12/30/2023	224
31	Republic Day	NSS	Republic Day	1/26/2024	325
32	EDU Youth Meet (Gitam University)	NSS	EDU Youth Meet (Gitam University)	1/30/2024	115
33	COMBINED ANNUAL TRAING CAMP - II	NCC	14(A)BN NCC SRIKAKULAM	2024	2
34	B - CERTIFICATES	NCC	B - CERTIFICATES	2024	16
35	Teacher's day	AIET, MAKAVARAPALEM	Teacher's day	9/5/2023	118
36	Women's day	AIET, MAKAVARAPALEM	Women's day	11/12/2023	43
37	Engineer's day	AIET, MAKAVARAPALEM	Engineer's day	9/15/2023	118
38	Sport's day	AIET, MAKAVARAPALEM	Sport's day	8/29/2023	62
39	Enti ragging awarness	AIET, MAKAVARAPALEM	Enti ragging awarness	9/14/2023	132
40	Industrial safety awarness	AIET, MAKAVARAPALEM	Industrial safety awarness	12/9/2023	124
41	National constitutional day	AIET, MAKAVARAPALEM	National constitutional day	11/26/2023	129
42	Protection of girls hegine and cyber security	AIET, MAKAVARAPALEM	Protection of girls hegine and cyber security	11/27/2023	76
43	VOTERS DAY	NCC,NSS(AIET, MAKAVARAPALEM)	VOTERS DAY	1/25/2024	158
44	Pongal celebrations	AIET, MAKAVARAPALEM	Pongal celebrations	1/11/2023	563
45	VIKSIT BHARAT	AIET, MAKAVARAPALEM	VIKSIT BHARAT	12/19/2023	476

30. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- job training, research etc:

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab withcontact details	Year of commencement	Duration (From-To)
1	Training and Development	Quickify Supply Chain Solutions Pvt Ltd.	2023	4 WEEKS
2	Comparative Statement Analysis	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
3	Recruitment and Selection Process	Mouritech Pvt Ltd. Visakhapatnam	2023	4 WEEKS
4	Working capital Management	Sri Lakshmi Hero Motors, Hyderabad.	2023	4 WEEKS
5	cash flow Statement Analysis	ICICI Bank Pvt.Ltd, Hyderabad	2023	4 WEEKS
6	Ratio Analysis	Coromandel International Limited Visakhapatnam	2023	4 WEEKS
7	Industrial Relations	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
8	Ratio Analysis	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
9	Funds Flow Statement Analysis	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
10	Recruitment and Selection	Sai Sreyas Pharmaceutical Pvt.ltd,	2023	4 WEEKS
11	Welfare Facilities	The Vijaya Vaisakha Diary, Visakhapatnam	2023	4 WEEKS
12	Job satisfaction of employees	Dr. Raddy's Laboratory Ltd.,Visakhapatnam	2023	4 WEEKS
13	Training and Development	Care Hospital, Visakhapatnam.	2023	4 WEEKS
14	Inventory Management	Narendra Organics and Bio fertilizers, Anakapalle	2023	4 WEEKS
15	Role Of Leadership In Workforce	Dr Reddy's Lab, Visakhapatnam	2023	4 WEEKS
16	HRM policies and Practices	BHEL company Auto Nagar, Visakhapatnam	2023	4 WEEKS
17	Financial Performance using Ratio Analysis	SEC Shyam Engineering and Constructions	2023	4 WEEKS
18	Working Capital	My Company (Start Up) Visakhapatnam	2023	4 WEEKS
19	Ratio Analysis	Kesoram Cement Hyderabad	2023	4 WEEKS

20	cash flow Statement Analysis	Coromandel International Limited	2023	4 WEEKS
21	Cash flow Statement Analysis	The Chodavaram co-operative sugars Ltd. Gowada.	2023	4 WEEKS
22	Recruitment and Selection	Cargomen Logistics India Pvt. Ltd.	2023	4 WEEKS
23	Welfare Management	Zenex Facility Management Company	2023	4 WEEKS
24	Financial Statement Analysis using Ratio Analysis	The Chodavaram co-operative sugars Ltd. Gowada.	2023	4 WEEKS
25	Capital Budgeting	The chodavaram co-operative sugars Ltd. Gowada.	2023	4 WEEKS
26	Employee satisfaction	Halcyon Technologies	2023	4 WEEKS
27	Working Capital	Siva Shankar Motors Pvt.LTD	2023	4 WEEKS
28	Labour Welfare Management	Nayer Soft, Vijayawada	2023	4 WEEKS
29	Role on Leadership in work force	Zuari Cement Iteal Cement group, Visakhapatnam.	2023	4 WEEKS
30	Cash Management	CECO Elctronics Pvt. Ltd., Kolktta.	2023	4 WEEKS
31	Inventory Management	Mahathi Hygiene Products, Thootipala.	2023	4 WEEKS
32	Working Capital Mnagement	Balrampur Chini mills Ltd, Kolkotha	2023	4 WEEKS
33	Performance Appraisal	Laxmi Hyundai, Visakhapatnam	2023	4 WEEKS
34	Investment Banking	HDFC, habsiguda, Hyderabad	2023	4 WEEKS
35	Employee Welfare measures	Bharti airtel Begumpet, Hyderabad	2023	4 WEEKS
36	Performance Appraisal	The chodavaram co-operative sugars Ltd. Gowada.	2023	4 WEEKS
37	Ratio Analysis	Siva sankar motors, Visakhapatnam	2023	4 WEEKS
38	Training Human Resource	The chodavaram co-operative sugars Ltd. Gowada.	2023	4 WEEKS
39	Capital Budgeting	Ultra tech cement, Visakhapatnam	2023	4 WEEKS
40	cashflow Statement	Smilax Laboratories Limited,Visakhapatnam.	2023	4 WEEKS
41	Inventory Management	Inventory Management	2023	4 WEEKS

42	Investment Banking	HDFC, habsiguda, Hyderabad	2023	4 WEEKS

31. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
1.	BENCH MARK ENGINEERING SOLUTIONS	BENCH MARK ENGINEERING SOLUTIONS	8/31/2023	1 YEAR AND EXTENDED	industrial Projects , Internships & Industry visits	110
2	NOVEL PATENT SERVICES	NOVEL PATENT SERVICES	5/27/2023	1 YEAR AND EXTENDED	For Patent Services for Faculty	128
3	EDU Skills	EDU Skills	30.11.2022	1 YEAR AND EXTENDED	For EDU Skills Membership Program	423
4	TALENTISE GLOBAL PRIVATE LIMITED	TALENTISE GLOBAL PRIVATE LIMITED	09.12.2022	1 YEAR AND EXTENDED	Campus placement	297
5	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	CENTRE OF EXCELLENCE IN MARITIME & SHIP BUILDING(CEMS)	07.10.2021	1 YEAR AND EXTENDED	Training and visits	423
6	ELECTROPRO	ELECTROPRO	07.10.2021	1 YEAR AND EXTENDED	IOT TRAINING AND PROJECT IMPLEMENTATION	297
7	BYTEXL	BYTEXL	21.04.2021	1 YEAR AND EXTENDED	CRT TRAINING	297
8	SHA ASSOCIATES	SHA ASSOCIATES	10.09.2021	1 YEAR AND EXTENDED	industrial Projects & Consultancy	425
9	HOBEL BELLOWS	HOBEL BELLOWS	28.08.2021	1 YEAR AND EXTENDED	Campus placement	72
10	SYTIZEN TECH	SYTIZEN TECH	13.08.2021	1 YEAR AND EXTENDED	Campus placement	297
11	INSIPREDGE	INSIPREDGE	02.09.2021	1 YEAR AND EXTEND12ED	Industrial visits and intership	297
12	MIRACLE SOFTWARE SOLUTIONS	MIRACLE SOFTWARE SOLUTIONS	22.02.2021	1 Y13 EAR AND EXTENDED	Campus placement	138
13	BRANDIX	BRANDIX	10.08.2021	1 YEAR AND EXTENDED	Campus placement	297
14	SURYAVARDHAN INTEGRATIONS	SURYAVARDHAN INTEGRATIONS	21.09.2016 ONWARDS	1 YEAR AND EXTENDED	Industrial visits and intership	34
15	NICCO VENTURES LTD	NICCO VENTURES LTD	13.10.2020 ONWARDS	1 YEAR AND EXTENDED	Campus placement	297

16	APITA	APITA	14.12.2015 ONWARDS	1 YEAR AND EXTENDED	Campus placement and Skll development program	423
17	EMMUNAL GENERAL HOSPITAL	EMMUNAL GENERAL HOSPITAL	20.09.2015 ONWARDS	1 YEAR AND EXTENDED	GENERAL	ALL STUDENTS AND FACULTY
18	4C DESIGNENGG	4C DESIGNENGG	01.07.2019	01.07.2022	Skll development program	72
19	MECHNOGENT	MECHNOGENT	10.09.2019	10.09.2022	Skll development program	72
20	APSSDC	APSSDC	09.09.2019	09.09.2022	Campus placement and Skll development program	423

32. Details of departmental infrastructural & other facilities:

a) Departmental Library : Yes

b)Institute Library: Yes

c) Computers and Internet facilities for staff connection of 100Mbps bandwidth

d) Total number of class rooms: 4

e) Class rooms with ICT facility: 2

f) Students' laboratory :2

g) Research laboratories:1

h) Seminar Hall:1

i) Smart class room: 1

j) Any other facility LCDs,:1

33. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
119	60	1.9: 1

34. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
Google classrooms	https://avanthienggcollege.ac.in/ece_department

35. Details of maintenance of laboratory and classrooms:

Maintenance of all laboratories are done by the laboratory assistants in consultation with the laboratory incharge. Maintenance activities are recorded in logbook and kept in every laboratory.

Link : https://avanthienggcollege.ac.in/infrastracture

36. Number of students attending Vocational Education and Training(VET)

NIL

37. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
4	4	4

38. Number of outgoing students placed along with name of the employer with contact details:

Link for relevant documents here_Placements and Higher Education

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
8	OLAM GROUP	2.6Lpa	MBA

39. Details of the students going for higher education:

Link for relevant documents here_Placements and Higher Education

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
NIL	NIL	NIL	NIL	NIL

40. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:

Sl. No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	Dates (from-to) Non Teaching	No of participants (Teaching staff)	No of participants (Nonteaching staff)
1	A Three day Workshop on "Financial wellness"		07/03/2024 to 09/03/2024	07/03/2024 to 09/03/2024	12 8	28

41. Details of quality enhancement initiatives in the academic and administrative domains of the department:

https://avanthienggcollege.ac.in/iqac2024

42. Number of gender equity promotion programmes organized by the department:

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2023	Program On Self Defense	16-06-23	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Women Safety and Respect	23-06-23	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Counselling Program on Mental Health & Self Care	09-09-23	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Program on Personality Development Program-Career Guidance	12-10-23	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Awareness On Business Development Skills For Women	21-10-23	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2024	International women's day	08-03-24	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf

43. Details of the final year project:
Total Projects-62

In House-0
Industry-62

41. Details of quality enhancement initiatives in the academic and administrative domains of the department:

https://avanthienggcollege.ac.in/iqac2024

42. Number of gender equity promotion programmes organized by the department:

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2023	Program On Self Defense	16-06-23	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Women Safety and Respect	23-06-23	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Counselling Program on Mental Health & Self Care	09-09-23	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Program on Personality Development Program-Career Guidance	12-10-23	50	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2023	Awareness On Business Development Skills For Women	21-10-23	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf
2024	International women's day	08-03-24	100	https://avanthienggcollege.ac.in/assets/iqac/7.1.1_AI.pdf

43. Details of the final year project:

Total Projects-62

In House-0

Industry-62

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Head of Department

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, Permanently Affiliated to JNTU-GV, Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

IQAC CELL

ACADEMIC AUDIT REPORT (2023-2024)

DEPARTMENT OF MANAGEMENT STUDIES

A.Y: 2023-2024 **II-IV (JAN – JUNE)**

Date of Audit: 22-08-2024

1.COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculatedas per the procedure established by PAC
2	Stakeholder's feedback related to curriculumdesign	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC,PAC and it's Minutes of meeting, Curriculum changes.
4	Percentage of Lab component	7.6%(2/26)-R19 -Two additional experiments are conducted in all labs
5	Evidence of academic flexibility	1 Open elective+4 Electives 12.5% (4/34)-R19

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2.Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	6:1 8 faculty members are assigned to teach for 108 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 0 Associate Professor: 2 Assistant Professors:6
3	Faculty qualifications	Doctorates : 1 Ph.D.Pursuing :1
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: • Books: • Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies
7	Faculty as resource persons in workshops/training activities	FDP-2
8	International/national level events organized • Training Programs • workshops/seminars: • FDP's :	Nil
9	List of conferences/seminars/workshops/FDP's/anyexclusive programmes attended for enrichment of teaching-learning process	To enrich teaching and learning process, faculty of MBA Department attended workshops/FDP's /TrainingPrograms and its evidences are enclosed in https://avanthienggcollege.ac.in/assets/iqac/6.3.4_AI.pdf

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.
2	Mechanism and activities for slow learnersimprovements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slowlearners
3	Student counselling/mentoring mechanism	16 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: ---Best Projects	Best projects are carried as per PRCguidelines
6	Monitoring of teaching-learning process • Observation of teaching process in classrooms as per schedule • Tracking of syllabus coverage • Uploading of Lecture notes, questionpapers of mid and semester end examinations in E-learning portal • verification of evaluated answer papers • checking the quality of	• Regular visit by the principal • CC surveillance As per schedule, the coverage of syllabus is strictly followed . by anyconsequences if there is any lag-on of syllabus extra classes will be conducted • Track sheets are maintained toreview syllabus coverage. • Evaluation of answer papers asper the allotment of marks • Yes, the quality of mid-examquestion papers is regularly checked by exam cell co- coordinators and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well asthe course files by HOD. • Minutes of meetings are regularly

	mid examinations question papers • Innovative teaching methods presented • Verification of course files • Minutes of class committee meetings and action taken	conducted to discussthe matters that are related toTime Tables, academic planning and its facilities provided.
7	Training programmes conducted forstudents ---Guest Lectures ---Add-on courses ---Seminars/workshops ---Compliance of department academic calendar	• Guest lectures are conducted forthe students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:1Programs areconducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Industries with other industries are done https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up by studentsfeedback https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning ---certificate courses ---online courses	Faculty members were v e r yinstrumental in designing and developing 1 Add- on and Certificate course programs.
11	Result analysis and conduct of remedialclasses for students with backlogs	• Based on the results of mid exams, remedial classes areconducted . • Based on the results of mainexams, backlog classes are conducted.
12	Placements ---(%): Industries/organizations:	8/72
13	Higher studies(%): • Institutions:	Nil

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14	Student development activities: • Co-curricular • Extra-curricular activities	Nil

4.Research consultancy and Extension

1	Faculty Publications in journals:Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: No. SCOPUS/SCI Indexed journals
2	Publications in conferences:National: International:	Nil
3	Percentage of Faculty contributing inResearch Publications:	Nil
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Nil
5	Funded R&D projects and consultancy works:	Nil
6	Incentives for faculty R&D	Nil
7	MOU's with industries/R&D/PremierInstitutes	Nil
8	Research centers of excellence established:	Nil
9	Skill development center established	Nil

SEAL

5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teachinglearning process Class rooms: Laboratories: E-class rooms: Seminars: Faculty rooms:	Classrooms:4 Laboratories:1 E-classrooms:1 Seminar halls: 1 Faculty rooms: 1
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	2 members of Technical and P.Santhosh---Technical Ch.Shiva---- Technical
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumableregisters in labs	Nil
5	Details of IT facilities	Total number of computers:60
6	Dept, Newsletters and Magazine	Monthly:3 Bi-monthly:2 Quarterly: 4 Yearly:11 Half-yearly: 8
7	Department level library resources	NO. of Titles:27 NO. of Volumes:85 NO. of Journals:8 No. Of International Journals:6NO. of E-Journals:58

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students:Nil
3	Details for coaching provided for GATE/CRT/any other competitiveexaminations	NIL
4	Industrial visits and Internships	3 industrial visits areregularly conducted

7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skilldevelopment programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023- 2024 https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes

4	Staff and students attendance monitoring system: -Biometric: Attendance Registers:	Regular follow up of biometric as wellas Attendance registers.
5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty whoundergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all theprominent places and needed corners of college.

8. Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention
2) More number of student placements
3) Strong department level support for faculty research activities
4) Supportive working environment among department members

Weakness

1) Lack of NRI student attraction
2) Poor socio-economic status of the students.
3) There is a need to modernize classrooms with ICT facilities

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments

4) Opportunity to maximize the potentiality of Centers of Excellence.

Suggestions for Improvement

To overcome the challenges and improve the quality of education, evaluation can be doneon the following factors such as maintenance of infrastructure, pedagogy skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

1. V.Raju
2. T.P. Naidu

HOD-MBA

Sign. of Academic Auditors

IQAC CELL

ACADEMIC AUDIT REPORT (2023-2024)

DEPARTMENT OF MANAGEMENT STUDIES

A.Y: 2023-2024 **I SEMESTER (JULY – DEC)**

Date of Audit: 22-08-2024

1.COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculatedas per the procedure established by PAC.
2	Stakeholders feedback related to curriculumdesign	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented . https://avanthienggcollege.ac.in/feedback_system
3	Action taken on Minutes of Meeting	Incorporated changes as per the suggestions by DAC, PAC and it's Minutes of meeting, Curriculum changes .
4	Percentage of Lab component	7.6%(2/26)-R19 -Two additional experiments areconducted in all labs
5	Evidence of academic flexibility	1 Open elective+4 Electives 12.5% (4/34)-R19

2.Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	6:1 8 faculty members are assigned toteach for 108 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 0 Associate Professor: 2 Assistant Professors: 6
3	Faculty qualifications	Doctorates : 1 Ph.D.Pursuing :1
4	Faculty experience and retention	https://avanthienggcollege.ac.in/assets/iqac/2.4.3.1_AI.pdf
5	Faculty contribution in writing: • Books: • Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	2 Faculty members are enrolled in Professional bodies and its evidence isenclosed.
7	Faculty as resource persons in workshops/training activities	NIL
8	International/national level events organized • Training Programs • workshops/seminars: • FDP's :	Work shops -2
9	List of conferences/seminars/workshops/FDP's/anyexclusive programmes attended for enrichment of teaching-learning process	NIL

3.Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.
2	Mechanism and activities for slow learners improvements.	Slow learners are identified based onperformance in Mid-exams. Conducted extra classes for slowlearners
3	Student counselling/mentoring mechanism	16 students are allotted for each faculty member for better improvement of their academic results.
4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects: • Best Projects	Three reviews are conducted by the department committee members and Projects are evaluated as per the university Norms.
6	Monitoring of teaching-learning process Observation of teaching process in classrooms as per schedule Tracking of syllabus coverage Uploading of Lecture notes, questionpapers of mid and semester end examinations in E-learning portal verification of evaluated answer papers checking the quality of mid examinationsquestion papers Innovative teaching methods presented Verification of course files	Regular visit by the principal CC surveillance As per schedule, the coverage of syllabus is strictly followed . by anyconsequences if there is any lag-on of syllabus extra classes will be conducted Track sheets are maintained toreview syllabus coverage. Evaluation of answer papers asper the allotment of marks Yes, the quality of mid-examquestion papers is regularly checked by exam cell co- ordinator and the Principal. Interactive way of teaching Regular verification of Attendance registers as well as the course files by HOD. Minutes of meetings are regularly conducted to discuss the matters that are related toTime Tables, academic planning and its facilities provided.

	Minutes of class committee meetings andaction taken	
7	Training programmes conducted forstudents • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academiccalendar	• Guest lectures are conducted forthe students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:6 Programs areconducted for students https://avanthienggcollege.ac.in/assets/iqac/1.2.2_AI.pdf
8	MOU's with industries for internship	Projects with other industries done https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
9	Students feedback and follow up action	Needed action is taken up https://avanthienggcollege.ac.in/feedback_system
10	Scope for self learning • certificate courses • online courses	Faculty members were v e r yinstrumental in designing and developing 1 Add- on and Certificate course programs.
11	Result analysis and conduct of remedialclasses for students with backlogs	Based on the results of mid exams, remedial classes are conducted. Based on the results of mainexams, backlog classes are conducted.
12	Placements ---(%): Industries/organizations:	--
13	Higher studies(%): • Institutions:	- https://avanthienggcollege.ac.in/feedback_system
14	Student development activities: • Co-curricular • Extra-curricular activities	Nil

4.Research consultancy and Extension

1	Faculty Publications in journals:Peer review journals: Thomson Reuters Impact factor journals	https://avanthienggcollege.ac.in/assets/iqac/3.2.1_AI.pdf
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing inResearch Publications:	Nil
4	Ph.D s register ed: Submit ted: Award ed: Ph.D. guiding/guided	Nil
5	Funded R&D projects and consultancy works:	Nil
6	Incentives for faculty R&D	Nil
7	MOU's with industries/R&D/Premier Institutes	Nil
8	Research centers of excellence established:	Nil
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5. Infrastructure and Learning resources

S.No	Criterion	Observations
1	Infrastructure facilities to improve teachinglearning process Class rooms: Laborat ories: E-class rooms: Seminar s: Faculty rooms:	Classrooms:4 Laboratories:1 classrooms: 1 Seminar halls: 1 Faculty rooms: 1
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1	Add-on courses	Add-on courses are conducted
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students:Nil
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4	Industrial visits and Internships	NIL

7. Governance, Leadership and Management

S.NO.	Criterion	Observations
1	Teaching and non-teaching attended for skilldevelopment programs	Both teaching and non-teaching staff are attended for skill development programs for an academic year 2023- 2024. https://avanthienggcollege.ac.in/assets/iqac/6.3.3_AI.pdf
2	MOUs with premier institutions for knowledge exchange	https://avanthienggcollege.ac.in/assets/iqac/3.4.1_AI.pdf
3	Display of vision, mission and quality objectives at prominent places	Yes
4	Staff and students attendance monitoring system: FRS, Attendance Registers:	Regular follow up of Face recognition system as well as Attendance registers.

5	Financial support/leaves for qualification/skill up-gradation:	Faculty members are sanctioned with Registration fees, TA and Academic Leave are also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work. https://avanthienggcollege.ac.in/assets/iqac/6.2.2%20policy_document.pdf
6	Risk evaluation/safety measures	Maintaining fire extinguishers in all theprominent places and needed corners of college.

8.Strengths, weakness and areas of Improvement

Strengths

1) Good faculty retention
2) More number of student placements
3) Research and Development cell
4) Strong department level support for faculty research activities
5) Supportive working environment among department members

Weakness

1) Lack of NRI student attraction
2) Poor English speaking capacity of the students.
3) Poor socio-economic status of the students.
4) There is a need to modernize classrooms with ICT facilities

Opportunities:

1) By establishing stronger relationships with R&D organization.
2) Increase of research funding.
3) Interdisciplinary growth of core departments
4) Opportunity to maximize the potentiality of Centers of Excellence.

Action Report Plan of Academic Audit (2023-2024)

IQAC is appointed 1) Mr. K.V.S.Ganesh 2) Mr. G. Sivaram 3) Mr. P. Varahala Dora visited all the departments on date 04/09/2024 and collected the entire information with the presence of HOD and IQAC department level coordinators.

Based on the department wise audit report we are given some detailed college level audit report and action plan.

I.CO POs curriculum

1. **COs and PO attainment:** As per the procedure established, regarding the CO's and PO's attainment, faculty calculated for the departments of CSE,MECH,ECE,EEE & MBA and sent to concerned H.O.D's. It is observed that attainments which are done by the faculty are satisfactory.
2. **Stakeholder's feedback related to curriculum design:** Stakeholder's survey required for vision, mission PEOs analysis was done and it is acceptable.
3. **Action taken on Minutes of Meeting:** Minutes of meetings were conducted for incorporate curriculum changes advised by DAC, PAC with its evidences, and the required action was taken for further improvement.
4. **Academic Flexibility:** Faculty flexibility in handling number of subjects are suggested to participate in add on, value added courses and extracurricular activities make them to have full freedom to planand execute these outreach programs.

II.Faculty information and their contribution:

As per department level, we are audit committee, audited department level of faculty details and we observed the following details:

1. **Faculty experience and retention:** The eligible faculties with their deserved qualifications by different cadres of Assistant, Associate, and Professor Levels are appointed and further suggested to initiate the research works by registering Ph.D. in all the departments, to follow the regulations needed for student, teacher ratio.
    - **CSE department: Faculty Availability :** 34 **Requirement:** 0
    - **ECE department: Faculty Availability :** 25 **Requirement:** 0
    - **MECH department: Faculty Availability :** 18 **Requirement:** 0

AVANTHI INSTITUTE OF ENGG & TECH
SEAL
TAMARAM

- **EEE department: Faculty Availability :** 16 **Requirement:** 0
- **BS&H department: Faculty Availabilty**: 22 **Requirement:** 2
- **MBA department: Faculty Availability :** 8 **Requirement:** 0

Action taken: It is found that BS& H is lag of faculty of at least 2 members, so action plan is taken to recruit new faculty for next academic year, but the remaining departments have sufficient faculty, IQAC committee suggested to all the departments to enroll in research work for further improvement of higher degree.

1. **Faculty contribution in writing:** We find that the faculty from EEE, ECE and Mechanical departments are found to be lag in research activities, so action report was taken to engage the faculty in research and make them topublish papers, books by enrolling them as the Professional members of various research bodies.

III. Teaching learning process and evaluation:

1. **Student performances, Attendance, Exams:** The performances as well as attendance of students are monitored in semesterwise regularly, based on that, the condonation lists and detention lists are maintained, we found to be satisfactory to improve the results.
2. **Mechanism and activities for slow learner's improvements**: Slow learners are identified in all departments, so by verifying the documents supported, we advised to conduct extra-remedial and tutorial classes for them.
3. **Student counseling/mentoring mechanism:** It is satisfactory by taking 16 students who are allotted for each faculty member for better improvement of their academic results.
4. **Review and evaluation of student projects**: By following the Performa of IQAC committee, best projects are initiated as per PRC guidelines by creating a corpus fund to support research activity, so it is satisfactory to some extent and we suggested the institution to provide best research facilities for further initiation of innovative projects.
5. **Teaching-learning process**: By the earlier suggestions taken by IQAC committee, teaching-learning process is found to be efficient, by conducting in the form of lectures, case studies, class room participation, assignments, debates among teams on subjects, by using audio visual teaching. In those, it is found that, the best practices of providing course material to the students of all the departments with satisfactory note.
6. **Monitoring of teaching process:** Monitoring process is found to be done by regular visit of the principal through CC surveillance, syllabus coverage is identified by maintaining track sheetsand evaluation of answer papers as per the allotment of marks and the quality of mid-exam question papers which is regularly checked by exam cell coordinator and the Principal. So, we reported as satisfactory.

7. **Result analysis:** The percentage of II/II results is found to be low in the departments of ECE and Mechanical. So further step is advised in the form of conducting remedial classes to improve the results for next academic semester.
8. MoU's with industries for internship: As we found that there are only few MOU's in departments, so we suggested to enhance the number of MOU'S.
9. Student's feedback and follow up action: On the basis feedback given by the students it was decided to follow up the teaching process in more practical based. So, in audit report, we noted that there is lag of taking feedback in MBA and CSE departments, so we suggested maintaining the student's feedback follow up action.

IV Research consultancy and Extension:

1. **Promotion of Research**: It is found, Institution supported the faculties of all departments to pursue research degrees by providing them, the required leaves to complete and submit their final draft of research thesis.
2. **Funded R&D projects and consultancy works:** It's pleasure to note that the institute takes care of complete patent filing process as per national/international IPR guidelines & policies. R&D cell provides necessary eco-system/conducive- environment with infrastructure/expert support to staff to take-up in R&D consultancy and innovation. So, Staff of all the departments is suggested to be responsible for various R&D projects.
3. **Incentives for faculty R&D**: It is satisfactory as the institute encourages the faculty, to enhance the research, by providing incentives for peer reviewed publications, consultancy works, writing books and filing up the patents.
4. **MOU's with industries/R&D/Premier Institutes:** In this academic year, MoU's with other institutes which are collaborated in a satisfactory note, to evolve amutually productive framework between R&D and academia to spur the design & development for exchange of knowledge and skill amongst students, faculty and researchers right from the stage of ideation and conceptualization.

   Action Taken: Further, the institution is planned for some more MoU's for extensive utilization of knowledge in the next academic year.

   Research centers of excellence established: It is identified that the Research Centre are motivated to focus on new and emergingtechnologies, multidisciplinary and translational research relevant to national development goals.
5. Skill development center established: The institution is suggested to entrust with the mission of producing systematically trained instructors to meet the huge demand of various Industrial training. For next academic year, further action is taken to implement skill development courses

for upcoming aspires

V Infrastructure and Learning resources

1. **Infrastructure facilities to improve teaching learning process**: We are audited the report, that the Institute has a well-planned library and internet facility to cater to the needs of research with a facility of Online journal/E- content journals by available library timings. So it is satisfactory.
2. .**Internet facility for faculty and students:** It is found that, College is having 150 Mbps Internet connections and connected through Wi-Fi also to the central server are available for students for their project work and preparing seminar presentations. It also access to e-books, study materials, previous question papers daily circulars. Further action is taken for the well-equipped internet lab, providing high speed of connectivity the student can surf the net together unlimited information

   Technical and administrative staff support: Technical and Administrative staff works in office support positions to perform a variety of office tasks. The institution proposed to appoint some more technical staff for smooth handling of office tasks.
3. **Department budget:** For budget and planning purposes, academic department activity typically occurs in their concerned department for managing the funds. So it is flexible to enrich the needed sources.
4. **Details of computing facilities and software:** It is proposed to provide open source computing **platform** forthe students, staff and faculty of this Institute by providing support for training programs, short term courses and technical workshops.

VI. Student information support and progression

1. **Add-on courses:** It is found that, the objective of these courses is to provide an opportunity to do an employment oriented skill based courses. Further action is taken to ensure practical training, in itsquality of skill-oriented manner and to aim at the development of skills for entrepreneurship.
2. **Placement training:** As the IQAC committee members, we are giving an advice, to empower the students with values and professional skills to get placedin the appropriate field. Special communication development Training programs are conducted for the students of CSE,EEE, ECE and Mechanical branches by leading training Institutes. The needed action is taken for further Individual counseling to make them understand the certainty of life andtrain them to work towards the goal.

Action taken: To improve the placements in the departments of Mechanical and MBA Extra training programs are proposed to conduct.

3. **Industrial visits and Internships:** The industrial visit has its own importance in a career. The industrial visit has its own importance in a career of a student as a part of college curriculum. So, it is satisfactory, that the institution is aimed further to improve the theoretical knowledge for the successful professional career by going beyond academics with a practical perspective of the workplace.

- **Teaching and non-teaching attended for skill development programs:** It is found that, the institution has effective welfare measures for all the staff members. The institution conducts quality improvement programs for faculty and training programs for non-teaching staff periodically. In order to improve the qualification of MBA and H&BS departments, the institution initiated some enhancing programs to update their knowledge and faculty members are given academic leave or special leave to attend FDPs, workshops / Seminars / Conferences / Industrial training programs organized by premier institutions.
- **Display of vision, mission and quality objectives at prominent places:** To impart quality education to the students coming from rural areas, some suggestions are given to enhance the academic as well as extension activities, curricular and co-curricular activities are conducted.
- **Staff and students' attendance monitoring system:** Regular follow up of biometric as well asAttendance registers are maintained and found to have regular monitoring systems, further action is taken to improve the surveillance methods.
- **Financial support/leaves for qualification/skill up-gradation:** After verifying all the departments, the external and internal provisions such as financial support and leavesare suggested to provide for the faculty in full-pledged way, for upgrading their qualification and research activities.
- **Risk evaluation/safety measures:** It is found that, fire extinguishers are maintained in all the prominent places and needed corners of college and still further action was taken for improvement.

Coordinator of IQAC

Principal

Principal
Avanthi Institute of Engg. & Technolog
Tamaram, Makavarapalem Md.,
Anakapalli District., Pin: 531 113