6.5.2 Quality assurance initiatives of the institution include.

1. Regular meeting of Internal Quality Assurance Cell (IQAC): quality improvement initiatives identified and implemented.
2. Academic and Administrative Audit (AAA) AND follow-up action taken.
3. Collaborative quality initiatives with other institution(s).
4. Participation in NIRF and other recognized rankings.
5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.

2.Academic and Administrative Audit (AAA) AND follow-up action taken: 2018-2019

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Over All Action Taken Report on Department wise Academic and Administrative Audit for Semester–II in the academic year 2018-2019

As per the IQAC decision, Dr. Gandi Satyanarayana, issued a circular on 6-6-2019 and allocated responsibilities department wise to the below mentioned audit members. The auditors carried out the audit works successfully with the support of head's of departments and submitted the report to the IQAC Co-ordinator. Based on the reports issued by the auditors, the IQAC Co-ordinator developed an overall action taken report and submitted it to the principal

S.NO.	NAME OF THE DEPARTMENT	AUDITMEMBERS
1	Computer Science and Engineering	SEM–II Dr.G.Joga Rao Mr.R.Venkatesh
2	Electronics and Communication Engineering	SEM–II Dr.G.Joga Rao Mr.R.Venkatesh
3	Electrical And Electronics Engineering	SEM–II Dr.B.AvinashBen Mrs.M.Sumathi
4	Mechanical Engineering	SEM –1I Dr. H.Mallessam Dora Mrs.M.Sumathi
5	Civil Engineering	SEM –1I Dr.G.Joga Rao Mr.A.Arjun Rao
6	Basic Sciences and Humanities	Dr.B.AvinashBen Mrs.M.Sumathi
7	Master of Business Administration	SEM–II Dr.G.Joga Rao Mrs.K.Praveena

I.CO POs curriculum

1. COs and POs attainment:

- The COs and POs attainment as per the procedure established by observing, R13, R19 regulations.
- As per the observation of the Audit committee, PO 10 and PO 11 are to be strengthened for the CSE Department by conducting guest lectures and academic sessions.
- The PO 2 of the EEE Department is to be strengthened by conducting special classes to their students and giving them exposure to problem solving methods ,as per the suggestion made

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by the audit committee.

- The students of Mechanical Engineering have to undergo more classes and laboratory sessions and be given more exposure to programming skills and projects to strengthen the PO5 of the department.
- As per the findings of the audit committee, the ECE department has to strengthen their PO11 through special academic sessions.
- The PO1 and PO 3 attainment of the MBA Department is to be improved by organizing lectures and classes by experts as per the suggestions of the audit committee.

2. **Stakeholder's feedback related to curriculum design:**

- The audit committee has suggested up-skilling of CSE students with the latest and emerging technologies based on the feedback of Alumni. The committee has further suggested that students should develop their soft skills and communication skills to face the competition.
- The audit committee has suggested that ECE students should improve their knowledge in core branches. It has further suggested the department to organize guest lectures on promoting research culture to meet industry needs.
- The audit committee has suggested that EEE students need value added courses on Automation and that they need more awareness on sustainable development.
- The Mechanical Engineering students need research exposure in core concepts and need to be more aware of advanced technologies according to the audit committee.

The audit committee has come up with the suggestion to provide more exposure industry needs and latest technologies for the Management students.

3. **Action taken on Minutes of Meeting**:

- Audit members were suggested to discuss somepoints and those points are to be implemented with its evidences for incorporate curriculum changes and advised to take required action.
- For ECE department I sem, PAC group is not implemented in full pledged manner, in some issues like Activates leading to Quality improvement. so advised to implement in full pledged way and also, we found some lag of Add-on Courses.
- For EEE department, it is observed that some prospectus are not implemented, so suggested to improve Faculty Research and publications and participations in FDPs, seminars, workshops etc.

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4. **Academic Flexibility:**

It is observed that there should be more academic flexibility for R13 final years, and for R16 1st, 2nd and 3rd years. The students should be given enough choice to choose elective subjects. The department has to allot faculty members to teach the electives. The electives should enable the promotion of advanced learning.

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:** 30 **Requirement:** 0
- **Mech department: Faculty Availability:** 32 **Requirement: 0**
- **EEE department: Faculty Availability:** 17 **Requirement:** 0
- **CIVIL department: Faculty Availability :**10 **Requirement:** 0
- **BS&H department: Faculty Availability**: 26 **Requirement:** 3
- **MBA department: Faculty Availability:** 13 **Requirement:** 0

Action taken: It is found that BS& H is lag of faculty of at least 3 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.

2. **Faculty contribution in writing:**

The committee has found that the faculty members of Civil, MBA, Basic Sciences, EEE,CSE EC1 departments are unpublished and lack research exposure. So, the committee has made a suggestion that the faculty members have to actively pursue research work and publish books.

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The research work and publishing of books could enhance the knowledge and exposure of the faculty members, as per the opinion of the committee.

3. **Faculty as resource persons in workshops/training activities:**

It was found that, different training Programs, seminars, conferences, workshops, are conducted by all the core department faculties but found to be lag in civil , as the resource persons, so action plan is proposed to support research development for further innovative skills.

- **CSE:** 1 Faculties are initiated as the resource persons for 1 Training programs
- **ECE:** Only one Faculty is initiated as the resource person for Training programs
- **MECH:** 1 Faculties are initiated as the resource persons for 1 Training programs
- **EEE**: Not conducted
- **CIVIL:** No Faculty is initiated as the resource person for Training programs
- **BS&H:** Only one Faculty is initiated as the resource person for Training program
- **MBA:** Not conducted

Action taken: The IQAC committee members are given an advice to EEE, MBA Department to conduct Training programs for non-teaching

III. Teaching learning process and evaluation:

1. **Student performances, Attendance, Exams:**
   The performances as well as attendance of students are monitored in semester wise 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 identifiedin some departments such as ECE, CSE, Mechanical, EEE so by verifying the documentssupported, we advised to conduct extra-remedial and tutorial classes for them.

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3. **Student counseling/mentoring mechanism:**

The committee has suggested a student mentorship program for every twenty students, with a faculty mentor guiding them through all their academic and personal challenges for better outcomes.

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**:

The Teaching-learning process has to be augmented through new insights and adopting better tools. As per the observation of the IQAC committee, the teaching- learning process has been found to be efficient through lectures, case studies, class room participation, assignments, debates among teams on subjects, ad by using audio visual teaching. It has been found that the best practices of providing course material to the students of all the departments are satisfactory.

6. **Monitoring of teaching process:**

Monitoring process is found to be done by regular visits of the principal, through CC surveillance, and the syllabus coverage is tracked by maintaining tracksheets. The evaluation of answer papers, the allotment of marks and the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal. So, the report has found it satisfactory.

7. **Result analysis:**

The percentage of IV/II results is found to be low in the departments of EEE, ECE, Civil, Mechanical. So further step is advised in the form of conducting remedial classes to improvethe results for next academic semester.

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BRANCH	STRENGTH	PASS	FAIL	PASS %
CIVIL	47	29	18	61.70
EEE	46	28	18	60.87
MECH-A	50	30	20	60.00
MECH-B	56	31	25	55.36
MECH-C	60	44	16	73.33
ECE-A	52	24	28	46.15
ECE-B	57	33	24	57.89
CSE-A	70	57	13	81.43
CSE-B	71	51	20	71.83

8. MOU's with industries for internship:

As we found that there are only few MOU's in departments such as EEE, CIVIL, MBA, so we suggested 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 make the teaching process more practical oriented. So, in audit report, we notedthat there is lag of taking feedback in MBA and CIVIL departments, so we suggested maintaining the student's feedback and follow up action.

IV. Research consultancy and Extension:

1. Promotion of Research:

It is found that the faculty members have no publications in peer review journals. The contribution of faculty members to research publications has been found to be zero in Civil and EEE departments. The institute is ready to contribute in every way to promote research activity among the faculty. So, the faculty members are advised to take up research activity more seriously.

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.

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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, 25 MoU's with other institutes which are collaborated in a satisfactory note, to evolve a mutually 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 emerging technologies, 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**:

New classrooms and laboratories with modern facilities have been set-up to aid the teaching-learning process. As per the audit report,the Institute has a well-planned library and internet facility to cater to the needs of research scholars, with a facility of Online journal/E- content journals that are available during the library timings. The faculty members and students are advised to make good use of the infrastructure for a better output. So, it is found to be satisfactory.

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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 accesses 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

3. **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 and lab assistants in ECE, EEE departments forsmooth handling of office tasks.

4. **Department budget:**

For budget and planning purposes, academic department activity typically occurs in their concerned department for managing the funds. So, it is flexible toenrich the needed sources.

5. **Details of computing facilities and software:**

It is proposed to provide open source computing platform for the students, staff and faculty in the departments of EEE, ECE and CIVIL of this Institute by providing support for conducting academic labs, 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 employment-oriented skill-based courses. So, in coming academic year, the number of Add-on-courses of all the departments, especially MBA, CIVIL is to be increased. Further action is taken to ensure practical training, in its quality 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 placed in the appropriate field. Special communication development Training programs are conducted for the students of 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 and train them to work towards the

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goal.

CSE: 49% ECE: 46.72% EEE: 68.18% CIVIL: 72.3% MECH: 19.65%

Action taken: To improve the placements in the departments of CIVIL, Mechanical, extra training programs are proposed to conduct.

VII. Student information support and progression

1. **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.

2. **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 EEE, Civil departments, the institution initiated some enhancing programs to update their knowledge andfaculty members are given academic leave or special leave to attend FDPS, workshops /Seminars/ Conferences/Industrial training programs organized by premier institutions.

3. **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.

4. **Staff and students attendance monitoring system:**

   Regular follow up of biometric as well as Attendance registers are maintained and found to have regular monitoring systems, further action is to be taken to improve the surveillance methods.

5. **Financial support/leaves for qualification/skill up-gradation:**

   After verifying all the departments, the external and internal provisions such as financial incentives and leave facility are provided for the faculty in a full-pledged way, for upgrading their qualification and pursue research activities. The faculty members are encouraged to pursue research and upgrade their skills by promising better pay and working terms. The seed

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money for research activity is provided with the collaboration of the affiliated university. It has been suggested to extend the period of required maternity leave.

6. 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

COORDINATOR, IQAC
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Bhogapuram (M), Vizianagaram (D)-531162

Principal

PRINCIPAL
AVANTHI INSTITUTE OF ENGG. & TECH
Cherukupally (V), Chittivalasa (SAO)
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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CIRCULAR
Internal Quality Assurance Cell (IQAC)

ACADEMIC AUDIT (2018-2019)

Date: 06-06-2019

From

The coordinator of IQAC

Avanthi Institute of Engineering and Technology

Cherukupally,

Near Tagarapuvalasa Bridge

Vizianagaram-531162

To

The Principal

Avanthi Institute of Engineering and Technology

Cherukupally,

Near Tagarapuvalasa Bridge

Vizianagaram-531162

Sir/Madam

Sub: Requisition to all the IQAC members to audit the department wise academic audit work and submit to IQAC.

The members are informed to conduct the academic audit report for the academic year 2018-2019 as per the team given below and as per the schedule from 20th to 30th June 2019.On behalf of IQAC, I request the Principal to assign HOD's for cooperating the academic audit work with team members.

S.NO.	NAME OF THE DEPARTMENT	AUDIT MEMBERS	DATE
1	Computer science and engineering	SEM–II Dr.G.Joga Rao Mr.R.Venkatesh	21-6-2019
2	Electronics and communication engineering	SEM- II Dr.G.Joga Rao Mr.R.Venkatesh	27-6-2019
3	Electrical and electronics engineering	SEM–II Dr.B.AvinashBen Mrs.M.Sumathi	25-6-2019
4	Mechanical engineering	SEM –1I Dr. H.Mallessam Dora Mrs.M.Sumathi	22-6-2019

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5	Civil engineering	SEM –1I Dr.G.Joga Rao Mr.A.Arjun Rao.	29-6-2019
6	Master of business administration	SEM–II Dr.B.AvinashBen Mrs.M.Sumathi	30-6-2019
7	Basic sciences and humanities	SEM-II Dr.B.AvinashBen Mrs.M.Sumathi	20-6-2019

Copy to:

The Principal

All the Department

H.O.D's

The Members of

IQAC

Principal

PRINCIPAL
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IQAC Coordinator

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year: 2018-2019 **II SEMESTER**

Date of Audit : 21-06-2019

We, Dr. G. Joga Rao and Mr.R.Venkatesh were entrusted to carry out the audit work of Department of Computer Science and Engineering by the IQAC. The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	23.88%(16/67) –**R16** M.TECH 10.00%(2/20) -**R16** -Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	21.42% (9/42)- **R16**(1P.E+1O.E) M. Tech 2 core electives 30.00% (6/20)-**R16** (Annexure 1.5)

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2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 34 faculty members are assigned to teach for 453 students
2	Faculty cadre ratio Prof:Assoc: Asst	Professors: 2 Associate Professor: 2 Assistant Professors: 30 Annexure:2.1
3	Faculty qualifications	Doctorates: 2 Ph.D. Pursuing :2 M. Tech: 30
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculties, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: • Books: • Book chapters:	Books:NIL
6	Faculty in Professional bodies Faculty contributions	1 faculty members are enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Training and Programs:NIL
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's	FDPs : NIL
9	List of conferences/ seminars/ workshops/ FDP's any exclusive programmers attended for enrichment of teaching-learning process	Conferences:7 Seminars: NIL Workshops: 7 FDP's: 7

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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	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	5 Best projects are carried as per PRC guidelines Annexure 3.1
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 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.

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7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• 4 Guest lectures, Seminars 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 Annexure 3.2
8	MOU's with industries for internship	Internship with other industries are done
9	Students feedback and follow up action	Needed action is taken up by students feedback and its evidence is enclosed
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. Result Analysis Annexure 3.3
12	Placements (%): Industries/organizations:	(45%) 64 out of 141 students are selected in different 24 companies Annexure 3.4
13	Higher studies(%): --Institutions:	11 students are progressed for higher studies. Yerraguntla Surya Manikanta in MS Atmakuri Pravallika in MBA Reddy Madhuri in MTech Yadhu Vamsi in MBA Peethala Shirisha in MTech Nodagala Rajendra in MBA Kovvuru Sravani in MS Kosana Divya in MS Mongam Aparna in MBA Vadapalli Kumar Sai in Mtech Palakollu Lakshmi in MTech
14	Student development activities: ---Co-curricular ---Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.6

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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	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals: Nil
2	Publications in conferences: National: International:	National: 1 International: 2
3	Percentage of Faculty contributing in Research Publications:	2.5 Percentage of Faculty contributing in Research Publications
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:	Funded R&D projects and consultancy works Evidences are enclosed Annexure 4.1
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 annexure:4.2
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

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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: 16 Laboratories: 5 E-classrooms: 1 Seminar halls: 2 Faculty rooms: 4
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	4 members of Technical and 1 members of administrative support is provided. P. Santhosh---Technical Ch. Shiva---- Technical K. Thalupulayya-- Technical T. Srinu--- 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: 330 List of softwares: Windows7, Windows10, office-2007, oracle-10g, Rational Rose, TURBO C++, JDK, TURBO C, ORACLE 10G, Python
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

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6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses conducted: 2 • Ethical Hacking • Web Page Development using HTML & PHP
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: 2 • IOT club • Electoral literacy club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	From CSE III yr, 44 students are participated in internships

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 2020-2021
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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

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		also provide for attending conferences and workshops, extra leaves area sanctioned for faculty who undergo for research submission work.
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 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.

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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

Head of the Department
Computer Science and Engineering
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Chittivalasa (SAO),
Bhogapuram (M), Vizianagaram (D)531162

COORDINATOR, IQAC
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapuvalasa Bridge
Bhogapuram (M), Vizianagaram (D)-531162

Sign. of Academic Auditors

Dr. G. Joga Rao
Asst. Prof. of BS & H

Mr. R. Venkatesh
Asst. Prof. & HOD Civil Engg.

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Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist)-531162.
www.aietta.ac.in, principal@aietta.ac.in

ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR: 2018-2019 **II SEM**

Date of Audit: 25-06-2019

We, Dr. B. Avinash Ben and Mrs. M. Sumathi were entrusted to carry out the audit work of Department of Electrical and Electronics Engineering by the IQAC . The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC .

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	20.08%(14/67) 1-2 in R16 M.TECH 10%(2/20)1-1in **R16**for PS 10%(2/20)1-1in **R16**for PE -Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	42.8%(9/21) R13(3 P.E)

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		14%(3/21) in R16(1 O.E) M.TECH 30%(6/20) 1-1 in **R16**for PS(2P.E) 30%(6/20) 1-1 in **R16** for PE(2P.E) Annexure 1.4

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 17 faculty are allotted to teach for 148 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 1 Associate Professor: 3 Assistant Professors: 13 Annexure:2.1
3	Faculty qualifications	Doctorates : 1 Ph.D.Pursuing :1 M.Tech: 15
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: • Books: • Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	1 Faculty member is enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Nil
8	International/national level events organized • Training Programs • workshops/seminars: • FDP's :	Nil

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9	List of conferences/ seminars/workshops/ FDP's/ any exclusive programmes attended for enrichment of teaching-learning process	Conferences : Nil Seminars: Nil Workshops: Nil FDP's: 5

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	5 Best projects are carried as per PRC guidelines Annexure 3.1
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 verification of Attendance registers • Uploading of course material with lesson plan. • Track sheets are maintained to review syllabus coverage
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops	• Guest Lectures, seminars 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

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	• Compliance of department academic calendar	conducted for students: Annexure3.2
8	MOU's with industries for internship	Internship with other industries are done
9	Students feedback and follow up action	Needed action is taken up by students feedback
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. Result analysis Annexure 3.4
12	Placements ---(%): Industries/organizations:	(68.18%)out of 44students , 30candidates are selected in different companies
13	Higher studies (%): --Institutions:	2 Members are higher progressed for Higher studies 1 N.Neeharika in MBA 2 K.prasada Rao in M.Tech
14	Student development activities: ---Co-curricular ---Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.5

4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals : Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	11% of Faculty contributing in Research Publications:
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--2 Submitted: --Nil Awarded: 1 Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done and its evidences are enclosed Annexure 4.1
6	Incentives for faculty R&D	Incentives for faculty Research publications

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		as per HR policy
7	MOU's with industries/R&D/Premier Institutes	MOU's with industries and R&D annexure:4.2
8	Research centres of excellence established:	----------
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:7 Laboratories:3 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	4 members of Technical support is provided. P. Santhosh- 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	Total number of computers:60 List of software procured: 1.MATLAB 2.PSPICE
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses :2

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		1.MATLAB 2.IOT
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: 2 1.Spark Club 2.Electoral Literacy Club
3	Details for coaching provided for GATE/ CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	Internships: II EEE:22 III EEE:14 are Participated

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.
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) Strong department level support for faculty research activities

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4) Supportive working environment among department member

Weakness

1) Lack of NRI student attraction
2) Poor socio-economic status of the students.
3) 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 - EEE

Head of The Department
Department of Electrical and Electronics Engineering
Avanthi Institute of Engg. & Tech.
Cherukupally (V), Chittivalasa (SAO)
Bhogapuram (M), Vizianagaram(Dist)-531162

Sign. of Academic Auditors

(Dr. B.Avinash Ben)
Professor of Mech

(Miss. M.Sumathi)
Asst. Professor ,Dept. of Civil

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ACADEMICAUDIT REPORT (2018-2019)

Dept. of ELECTRONICS AND COMMUNICATION ENGINEERING

AY: 2018-2019 **II SEM**

Date of Audit: 27-06-2019

We, Dr. G.Joga Rao and Mr. R. Venkatesh were entrusted to carry out the audit work of Department of Electronics and Communication Engineering by the IQAC. The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	23%(16/67) –**R16** M.tech 10%(2/20)-**R16** 10%(2/20)-**R16** -Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	1 open elective 14%(3/21) – **R16** 2 Core elective 28%(6/21)-**R13**

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		M.Tech 30%(6/20)-2P.E 30%(6/20)-2P.E (Annexure 1.5)

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 30 faculty members are assigned to teach for 249 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 1 Associate Professor: 5 Assistant Professors: 24 Annexure:2.1
3	Faculty qualifications	Doctorates: 1 Ph.D. Pursuing :2 M.Tech: 27
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculties, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	1 Faculty members are enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Training and Programs: 1
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's:	FDP's:2 Annexure 2.5
9	List of conferences/seminars/workshops/FDP'	Workshops:16 Conferences: Nil

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	s/any exclusive programmes attended for enrichment of teaching-learning process	FDP's:5 Training Programs: Nil and its evidences are enclosed in Annexure 2.3

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 counseling/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	5 Best projects are carried as per PRC guidelines Annexure 3.1
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	• 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

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	and action taken	• 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: Nil
8	MOU's with industries for internship	Internship with other industries is done .
9	Students feedback and follow up action	Needed action is taken up by students feedback
10	Scope for self learning ---certificate courses ---online courses	Faculty members were very instrumental in designing and developing 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. Annexure 3.4
12	Placements (%): Industries/organizations:	(46.72%) out of 118students , 50 candidates are selected in different companiesAnnexure 3.5
13	Higher studies(%): --Institutions:	4 members are succesfully progressed for Higher studies 1.V.Sai Mahesh Babu in MBA 2.P.Charani Sri in M.Tech 3.G.Simhachalam in MS 4.V.Yamini in MS

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14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.5

4. Research consultancy and Extension

1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals:Nil No. SCOPUS/SCI Indexed journals :Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	Nil
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:2 Submitted: --Nil Awarded: 1 Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done and its evidences are enclosed Annexure 4.1
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 annexure:4.2
8	Research centres of excellence established:	---------
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	Classrooms:6 Laboratories:6 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 3

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	• E-class rooms • Seminars • Faculty rooms	
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	5 members of Technical support is provided. P.Santhosh-Technical Ch.Shiva- Technical T.Jyothi-Technical G.Guruvulu-Technical K.Thapulayya-Technical
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:1.MATLAB 2.XILINX 3.KEEL-V4,V5 4.ARDUINO 5.HFSS 6.MULTISIM
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6.Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Nil
2	Student Publications: Dept. student E-Club:	Student Publications: No. of E-club activities for students:2 1.Crexta

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		2.Electroral literacy club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	Internships III ECE:20 II ECE:15 are participated

8. 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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.
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

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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 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-ECE

Head of the Department
Electronics & Communication Engineering
AVANTHI INSTITUTE OF ENGG. & TECH
Cherukupally (Vill), Bhogapuram (M)
VIZIANAGARAM (DIST)

Sign. of Academic Auditors

(Dr .G.Joga Rao)
Assoc Professor, Dept. of BS&H

(Mr.R.Venkatesh)
Asst. Professor, Dept. of Civil

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT of MECHANICAL ENGINEERING

ACADEMIC YEAR : 2018-2019 II SEMESTER

DATE OF AUDIT : 22-6-2019

We, Dr. H. Mallessam Dora and Mrs. M. Sumathi were entrusted to carry out the audit work of Department of Mechanical Engineering by the IQAC. The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	23.88% (16/67) **R16** **M tech** 10%(2/20) **R16**
5	Evidence of academic flexibility	28.57% (6/21) **R13** 14.28%(3/21) **R16** **M tech** 30%(6/20) **R16**

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS

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1	Student teacher ratio	19:1 32 faculty members are assigned to teach for 458 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 4 Associate Professor: 5 Assistant Professors: 23 Annexure:2.1
3	Faculty qualifications	Doctorates : 4 Ph.D.Pursuing :11 M.Tech: 17
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books: --Book chapters:	Books-1
6	Faculty in Professional bodies Faculty contributions	2 faculty members are enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Training and Programs: Nil Annexure 2.4
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's :	FDP's : 1 Annexure 2.5
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: NIL Seminars: 1 Workshops: 1 Training Program: NIL Annexure 2.6

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.

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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	5 Best projects are carried as per PRC guidelines Annexure 3.1 Annexure 3.1
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 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.

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7	Training programmes conducted for students ---Guest Lectures ---Add-on courses ---Seminars/workshops ---Compliance of department academic calendar	• 4 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 • Annexure 3.2
8	MOU's with industries for internship	Internship with other industries are done
9	Students feedback and follow up action	Needed action is taken up by students feedback.
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. 1. Fabrication and Characteristics of composite Materials 2. Dual Axis Vehicle Steering Mechanism.
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. • Annexure 3.3
12	Placements ---(%): Industries/organizations:	(57.69%)students , 90 candidates are selected in different 15 companies Annexure 3.4
13	Higher studies(%):	3 students successfully progressed for higher studies. 1. Kona Manoj Kumar ,Avanthi Institute of Engineering and Technology ,VSP 2. Lukalapu Ramu , Nehru National Motilal Institute of Technology Allahabad. 3. Uppada Bala Bhaskara Rao , Anil Neerukonda Institute of Technology and Sciences.

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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: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals : 5
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	(15.62%) 5 faculties contributing in Research Publications
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--08 Submitted: --Nil Awarded:4 Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	5 Projects are done and its evidences are enclosed Annexure 4.1
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 annexure:4.2
8	Research centers of excellence established:	-----
9	Skill development centre 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:	Classrooms:13 Laboratories:12 E-classrooms:1 Seminar halls:1

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	E-class rooms: Seminars: Faculty rooms:	Faculty rooms:4
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	6 members of Technical and 1 member of administrative support is provided. N.Suresh---Technical K. Appala Narayana---Technical P. Kamesh---Technical M.P. Divakar Das---Technical D. Srinivas---Technical P.Santhosh---Technical P. Ramu---Attender
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 for students purpose:60 List of software procured: 1.ANSYS 15.U 2.CATIA V5 R13 3.MAT LAB
6	Dept, Newsletters and Magazine	Yes
7	Dept. level library resource	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	2 Add-on courses are conducted 1)Fabrication and Characteristics of composite Materials 2) Dual Axis Vehicle Steering Mechanism.

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2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students:2 1.Mecha morphis 2. Electoral literacy club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year(2018-2019)
4	Industrial visits and Internships	Industrial visits:4 Internships: 2

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.
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

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Strengths

1) Good faculty retention.
2) Effective technical and Innovative skills.
3) More number of student placements.
4) Good computational and experimental facilities.

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 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-MECH

HOD
MECHANICAL DEPARTMENT
AVANTHI INSTITUTE OF ENGG. & TEC
Bhogapuram (M), Vizianagaram (Dist.)

Sign. Of Academic Audit

Dr. H. Mallessam Dora
Associate Professor,
Dept of EEE

Mrs. M. Sumathi
Assistant Professor,
Dept of CIVIL

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ACADEMIC AUDIT REPORT (2018-2019)

Dept. of CIVIL ENGINEERING

A.Y: 2018-2019 **II SEM**

Date of Audit: 29-06-2019

We, Dr. G. Joga Rao and Mr. A. Arjuna Rao were entrusted to carry out the audit work of Department of Civil Engineering by the IQAC .The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC .

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	18.18% (4/22) II/II -**R16** 28.57% (6/21) III/II-**R16** Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	14.28% (3/21) III/II - **R16 -OE** 42.85% (9/21) IV/II - **R13- EL-II,III,IV**

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 10 faculty members are assigned to teach for 131 students

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2	Faculty cadre ratio Prof: Assoc: Asst	Professors: Nil Associate Professor: Nil Assistant Professors: 10 Annexure:2.1
3	Faculty qualifications	Doctorates: Nil Ph.D. Pursuing: Nil M. Tech: 10
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculties, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: • Books: • Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	Nil
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	Conferences: Nil Seminars: Nil Workshops: Nil FDP's: Nil

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	20 students are allotted for each faculty member for better improvement of their academic results.

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4	Initiatives taken for innovative projects	Nil
5	Review and evaluation of student projects:	5 Best projects are carried as per PRC
	• Best Projects	guidelines Annexure 3.1 Annexure 3.1
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 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.
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures and seminars 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 : Annexure 3.2
8	MOU's with industries for internship	Internship with other industries is done and its evidences are enclosed. Annexure 3.3

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9	Students feedback and follow up action	Needed action is taken up by students' feedback and its evidence is enclosed
10	Scope for self learning • Certificate courses • Online courses	Faculty members were v e r y instrumental in designing and developing 1 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. its evidences are enclosed Annexure 3.4
12	Placements (%): Industries/organizations:	(57.44%) students out of 47, 27 candidates are selected in different companies Annexure 3.5
13	Higher studies (%): • Institutions:	Nil
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.5

4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals: Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	Nil
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered: -- Nil Submitted: --Nil Awarded: Nil Guiding/guided: Nil

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5	Funded R&D projects and consultancy works:	Projects are done and its evidences are enclosed Annexure 4.1
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 annexure:4.2
8	Research centres of excellence established:	------
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:3 Laboratories:5 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	1 member of Technical and 1 member of administrative support is provided. Ch. Shiva-Technical K. Thapulayya- 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: 60 List of software procured: 1. Auto CAD 2. STAAD Pro 3. Arc GIS

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6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses: 2 Basic level Modelling in AutoCAD, Revit architecture.
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: 2 Budlers Club, Electoral literacy club.
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	III (Civil) 24, II (Civil) 16 students are Participated

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.

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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) Effective technical and Innovative skills
3) More number of student placements
4) Good computational and experimental facilities
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.

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-CIVIL
Head of the Department
Civil Engineering
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Chittivalasa (SAO)
Bhogapuram (M), Vizianagaram (D)-531162

Sign. of Academic Auditors

Dr G. Joga Rao
Professor, Dept, of Bs&H

Mr. A. Arjun Rao
Professor, Dept. of EEE

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ACADEMIC AUDIT REPORT (2018-2019)

Dept. of BASIC SCIENCES AND HUMANITIES

A.Y : 2018-2019 **SEM-II**

Date of Audit:20-06-2019

We, Dr.B. Avinash Ben and Mrs. M. Sumathi were entrusted to carry out the audit work of Department of Basic Sciences and Humanities by the IQAC .The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated by the faculty of BS&H and forwarded to concerned Department.
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey are conducted and presented as consolidated as per format and sent by concerned Departments
3	Action taken on Minutes of Meeting	N/A
4	Percentage of Lab component	N/A
5	Evidence of academic flexibility	N/A

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	1:19
2	Faculty cadre ratio Prof : Asso : Asst	Professors: 0 Associate Professor: 5

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		Assistant Professors: 21 Annexure:2.1
3	Faculty qualifications	Doctorates : 8 Ph.D Pursuing :2 M.Sc: 16
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
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:1 FDP: 0
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's :	FDP:2 Annexure 2.3
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: Nil Seminars: Nil Workshops: 1 FDP's: 10 Annexure 2.4

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

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		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	Not applicable
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 verification of Attendance registers • Uploading of course material with lesson plan. • Track sheets are maintained to review syllabus coverage
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	Add-on Courses:2 Programs are conducted for students Annexure 3.1
8	MOU's with industries for internship	Not applicable
9	Students feedback and follow up action	Needed action is taken up by students feedback and its evidence is enclosed Annexure
10	Scope for self learning • certificate courses	N/A

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	• online courses	
11	Result analysis and conduct of remedial classes for students with backlogs	• Remedial classes are conducted to form an improvement from I Mid exam to II mid exam • Extra classes are conducted for backlog students
12	Placements ---(%): Industries/organizations:	N/A
13	Higher studies(%): • Institutions:	N/A
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.2

4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: No. SCOPUS/SCI Indexed journals : Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--2 Submitted: --Nil Awarded: 8 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	N/A

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8	Research center of excellence established:	-----
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:14 Laboratories:3 E-classrooms: 1 Seminar halls: 2 Faculty rooms: 4
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. Ch. Rajani---- Attender Ch.Shiva---- Attender A.Srinu - Attender P.Santhosh---Technical N.Chitti Babu-- Technical B.Appala Raju--- Technical
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:120 List of software procured:
6	Dept, Newsletters and Magazine	Yes

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7	Department level library resources	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses : 2 1. Mobile Application Development 2. Indian spiritual &Cultural Heritage
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
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 2020-2021
2	MOUs with premier institutions for knowledge exchange	N/A
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 well as Attendance registers.

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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.
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) Strong department level support for faculty research activities
4) 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 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 BS&H **Sign. of Academic Auditors**

Head of the Department
Basic Sciences and Humanities (BS&H)
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Bhogapuram (M), Vizianagaram (D)-531162

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(Dr.B.Avinash Ben)
Associate Professor, HOD &Dept. of Mechanical

(Mrs. M.Sumathi)
Asst.Professor, Dept. of Civil

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF MANAGEMENT STUDIES

ACADEMIC YEAR: 2018-2019 **II-IV SEMESTERS**

DATE OF AUDIT: 30-06-2019

We, Dr. G.Joga Rao and Mrs. K. Praveena were entrusted to carry out the audit work of Department of Management Studies by the IQAC .The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) is enclosed
2	Stakeholders feedback related to curriculumdesign	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented asconsolidated as per format. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	7%(2/26)-R16 -Two additional experiments areconducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	1Open elective+ 4 PE 33%(16/48)-R16 (Annexure 1.5)

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS

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1	Student teacher ratio	19:1 13 faculty members are assigned toteach for 226 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 0 Associate Professor: 2 Assistant Professors:11 Annexure:2.1
3	Faculty qualifications	Doctorates: 0 Ph.D. Pursuing :0
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: • Books: • Book chapters:	Books-Nil
6	Faculty in Professional bodiesFaculty contributions	Nil
7	Faculty as resource persons inworkshops/training activities	Training activities: 2
8	International/national level events organized • Training Programs • workshops/seminars: • FDP's :	Workshops/ seminars: Nil FDP-1 Annexure2.4
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: Nil Seminars: Nil Workshops: Nil FDP:7 Annexure2.5

3.Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condonation are maintained.

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2	Mechanism and activities for slow learners improvements	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slowlearners
3	Student counseling/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	5 Best projects are carried as per PRCguidelines Annexure 3.1 Annexure 3.1
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 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 asthe course files by HOD. • Minutes of meetings are regularly 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	• 1 Guest lectures is conducted forthe students to get aware of some core related subjects, which are presented by eminent

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	• Seminars/workshops • Compliance of department academiccalendar	resource Persons. • Add-on Courses:1Programs are conducted for students Annexure 3.2
8	MOU's with industries for internship	Internship with other industries is done and its evidences are enclosed.Annexure 3.3
9	Students feedback and follow up action	Needed action is taken up by students'feedback
10	Scope for self learning • certificate courses • online courses	Nil
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 ---(%):	Placements:36%out of 92 students
13	Higher studies(%):	Higher Studies: Nil
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated in co-curricular extra-curricular activities Annexure3.5

4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals: Nil
2	Publications in conferences: National: International:	National:0 International:0
3	Percentage of Faculty contributing in Research Publications:	Nil

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4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Ph.D s : 0 registered:0 Submitted:0 Awarded:0 Ph.D. guiding/guided:0
5	Funded R&D projects and consultancy works:	Funded R&D projects are done and its evidence is enclosed in Anexure 4.1
6	Incentives for faculty R&D	Incentives for faculty Research publications as per HR policy
7	MOU's with industries/R&D/PremierInstitutes	MOU'S with industries and R&D Annexure: 4.2
8	Research centers of excellence established:	-------
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 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	3 members of Technical and 1membersof administrative support is provided. P. Santhosh---Technical Ch. Shiva ---Technical K. Thapulayya-- administrative Support
4	Department budget: Sanctioned amount: Amount spent:	

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	New equipment added: Maintenance of equipment and consumableregisters in labs	
5	Details of computing facilities and software	Total number of computers:60
6	Dept, Newsletters and Magazine	YES
7	Department level library resources	YES

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	1 Add-on courses are conducted 1. TALLY ERP 9.0
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students:1 Electoral literacy Club
3	Details for coaching provided for GATE/CRT/any other competitiveexaminations	External CRT classes are provided, 200classes for an academic year
4	Industrial visits and Internships	Industrial Visits:2 Interships: 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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOU'S And its Annexure7.1

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3	Display of vision, mission and qualityobjectives at prominent places	Yes
4	Staff and students' attendance monitoringsystem: -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 who undergo for research submission work
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 cell
3) Strong department level support for faculty research activities
4) Supportive working environment among department members

Weakness

1) Lack of Other state 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 Centres of Excellence.

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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.

HOD-MBA

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Sign. of Academic Auditors

Dr.G.Joga Rao
Asst Professor, Dept. of BS&H

Mrs.K. Praveena
Asst Professor, Dept. of EEE

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Over All Action Taken Report on Department wise Academic and Administrative Audit for Semester–I in the academic year 2018-2019

As per the IQAC decision, Dr. Gandi Satyanarayana, issued a circular on 4-12-2018 and allocated responsibilities department wise to the below mentioned audit members. The auditors carried out the audit works successfully with the support of head's of departments and submitted the report to the IQAC Co-ordinator. Based on the reports issued by the auditors, the IQAC Co-ordinator developed an overall action taken report and submitted it to the principal

S.NO.	NAME OF THE DEPARTMENT	AUDIT MEMBERS
1	Computer Science and Engineering	SEM –I Dr.P.Krishna Rao Mr.V.Satya Prakash
2	Electronics and Communication Engineering	SEM- I Dr. H.Mallessam Dora Mr.JRG Patnaik
3	Electrical And Electronics Engineering	SEM –I Dr.P.Krishna Rao Ms.M.Lakshmi Sramika
4	Mechanical Engineering	SEM –I Dr.A.Bala Krishna Mrs.K.Praveena
5	Civil Engineering	SEM –1 Dr.P.Krishna Rao Mrs .K.Praveena.
6	Basic Sciences and Humanities	Dr.B.AvinashBen Mrs.M.Sumathi
7	Master of Business Administration	SEM–I Dr.B.AvinashBen Mrs.M.Sumathi

I. CO POs curriculum

1. COs and POs attainment:

- The COs and POs attainment as per the procedure established by observing, R13, R19 regulations.
- As per the observation of the Audit committee, PO 10 and PO 11 are to be strengthened for

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the CSE Department by conducting guest lectures and academic sessions.

- The PO 2 of the EEE Department is to be strengthened by conducting special classes to their students and giving them exposure to problem solving methods, as per the suggestion made by the audit committee.
- The students of Mechanical Engineering have to undergo more classes and laboratory sessions and be given more exposure to programming skills and projects to strengthen the PO5 of the department.
- As per the findings of the audit committee, the ECE department has to strengthen their PO11 through special academic sessions.
- The PO1 and PO 3 attainment of the MBA Department is to be improved by organizing lectures and classes by experts as per the suggestions of the audit committee.

2. **Stakeholder's feedback related to curriculum design:**

- The audit committee has suggested up-skilling of CSE students with the latest and emerging technologies based on the feedback of Alumni. The committee has further suggested that students should develop their soft skills and communication skills to face the competition.
- The audit committee has suggested that ECE students should improve their knowledge in core branches. It has further suggested the department to organize guest lectures on promoting research culture to meet industry needs.
- The audit committee has suggested that EEE students need value added courses on Automation and that they need more awareness on sustainable development.
- The Mechanical Engineering students need research exposure in core concepts and need to be more aware of advanced technologies according to the audit committee.

The audit committee has come up with the suggestion to provide more exposure industry needs and latest technologies for the Management students.

3. **Action taken on Minutes of Meeting**:

- Audit members were suggested to discuss somepoints and those points are to be implemented with its evidences for incorporate curriculum changes and advised to take required action.
- For ECE department I sem, PAC group is not implemented in full pledged manner, in some issues like Activates leading to Quality improvement. so advised to implement in full pledged way and also, we found some lag of Add-on Courses.

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- For EEE department, it is observed that some prospectus are not implemented, so suggested to improve Faculty Research and publications and participations in FDPs, seminars, workshops etc.

4. **Academic Flexibility:**

It is observed that there should be more academic flexibility for R13 final years, and for R16 1st 2nd and 3rd years. The students should be given enough choice to choose elective subjects. The department has to allot faculty members to teach the electives. The electives should enable the promotion of advanced learning.

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:** 30 **Requirement:** 0
- **Mech department: Faculty Availability:** 32 **Requirement: 0**
- **EEE department: Faculty Availability:** 17 **Requirement:** 0
- **CIVIL department: Faculty Availability :**10 **Requirement:** 0
- **BS&H department: Faculty Availability**: 26 **Requirement:** 3
- **MBA department: Faculty Availability:** 13 **Requirement:** 0

Action taken: It is found that BS& H is lag of faculty of at least 3 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.

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2. **Faculty contribution in writing:**

The committee has found that the faculty members of Civil, MBA, Basic Sciences, EEE,CSE EC1 departments are unpublished and lack research exposure. So, the committee has made a suggestion that the faculty members have to actively pursue research work and publish books. The research work and publishing of books could enhance the knowledge and exposure of the faculty members, as per the opinion of the committee.

3. **Faculty as resource persons in workshops/training activities:**

It was found that, different training Programs, seminars, conferences, workshops, are conducted by all the core department faculties but found to be lag in civil , as the resource persons, so action plan is proposed to support research development for further innovative skills.

- **CSE:** 1 Faculties are initiated as the resource persons for 1 Training programs
- **ECE:** Only one Faculty is initiated as the resource person for Training programs
- **MECH:** 1 Faculties are initiated as the resource persons for 1 Training programs
- **EEE**: Not conducted
- **CIVIL:** No Faculty is initiated as the resource person for Training programs
- **BS&H:** Only one Faculty is initiated as the resource person for Training program
- **MBA:** Not conducted

Action taken: The IQAC committee members are given an advice to EEE, MBA Department to conduct Training programs for non-teaching

III. Teaching learning process and evaluation:

1. **Student performances, Attendance, Exams:**

The performances as well as attendance of students are monitored in semester wise 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 identifiedin some departments such as ECE, CSE, Mechanical, EEE so by

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verifying the documentssupported, we advised to conduct extra-remedial and tutorial classes for them.

3. **Student counseling/mentoring mechanism:**

The committee has suggested a student mentorship program for every twenty students, with a faculty mentor guiding them through all their academic and personal challenges for better outcomes.

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**:

The Teaching-learning process has to be augmented through new insights and adopting better tools. As per the observation of the IQAC committee, the teaching- learning process has been found to be efficient through lectures, case studies, class room participation, assignments, debates among teams on subjects, ad by using audio visual teaching. It has been found that the best practices of providing course material to the students of all the departments are satisfactory.

6. **Monitoring of teaching process:**

Monitoring process is found to be done by regular visits of the principal, through CC surveillance, and the syllabus coverage is tracked by maintaining tracksheets. The evaluation of answer papers, the allotment of marks and the quality of mid-exam question papers is regularly checked by exam cell coordinator and the Principal. So, the report has found it satisfactory.

7. **MOU's with industries for internship:**

As we found that there are only few MOU's in departments such as EEE, CIVIL, MBA, so we suggested enhance the number of MOU'S.

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8. **Student's feedback and follow up action:**

On the basis feedback given by the students, it was decided to make the teaching process more practical oriented. So, in audit report, we notedthat there is lag of taking feedback in MBA and CIVIL departments, so we suggested maintaining the student's feedback and follow up action.

IV. Research consultancy and Extension:

1. **Promotion of Research**:

It is found that the faculty members have no publications in peer review journals. The contribution of faculty members to research publications has been found to be zero in Civil and EEE departments. The institute is ready to contribute in every way to promote research activity among the faculty. So, the faculty members are advised to take up research activity more seriously.

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, 25 MOU's with other institutes which are collaborated in a satisfactory note, to evolve a mutually productive framework between R&D and academia to spur the design & development for exchange ofknowledge 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

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motivated to focus on new and emerging technologies, 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**:

New classrooms and laboratories with modern facilities have been set-up to aid the teaching-learning process. As per the audit report,the Institute has a well-planned library and internet facility to cater to the needs of research scholars, with a facility of Online journal/E- content journals that are available during the library timings. The faculty members and students are advised to make good use of the infrastructure for a better output. So, it is found to be 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 accesses 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

3. **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 and lab assistants in ECE, EEE departments forsmooth handling of office tasks.

4. **Department budget:**

For budget and planning purposes, academic department activity typically occurs in their concerned department for managing the funds. So, it is flexible toenrich the needed sources.

5. **Details of computing facilities and software:**

It is proposed to provide open source computing platform for the students, staff and faculty in the departments of EEE, ECE and CIVIL of this Institute by providing support for conducting academic labs, training programs, short term courses and technical workshops.

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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 employment-oriented skill-based courses. So, in coming academic year, the number of Add-on-courses of all the departments, especially MBA,CIVIL is to be increased. Further action is taken to ensure practical training, in its quality 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 placed in the appropriate field. Special communication development Training programs are conducted for the students of 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 and train them to work towards the goal.

CSE: 49% ECE: 46.72% EEE: 68.18% CIVIL: 72.3% MECH: 19.65%

Action taken: To improve the placements in the departments of CIVIL, Mechanical, 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.

4. 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 EEE, Civil departments, the institution initiated some enhancing programs to update their knowledge andfaculty members are given academic leave or special leave to attend FDPS, workshops /Seminars/ Conferences/Industrial training programs organized by premier institutions.

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5. **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.
6. **Staff and students attendance monitoring system:** Regular follow up of biometric as well as Attendance registers are maintained and found to have regular monitoring systems, further action is to be taken to improve the surveillance methods.
7. **Financial support/leaves for qualification/skill up-gradation:** After verifying all the departments, the external and internal provisions such as financial incentives and leave facility are provided for the faculty in a full-pledged way, for upgrading their qualification and pursue research activities. The faculty members are encouraged to pursue research and upgrade their skills by promising better pay and working terms. The seed money for research activity is provided with the collaboration of the affiliated university. It has been suggested to extend the period of required maternity leave.
8. **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

COORDINATOR, IQAC
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Bhogapuram (M), Vizianagaram (D)-531162

Principal

PRINCIPAL
AVANTHI INSTITUTE OF ENGG. & TECH
Cherukupally (V), Chittivalasa (SAO)
Bhogapuram (M),
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CIRCULAR

Internal Quality Assurance Cell (IQAC)

ACADEMIC AUDIT (2018-2019)

Date: 04-12-2018

From

The coordinator of IQAC

Avanthi Institute of Engineering and

Technology

Cherukupally,

Near Tagarapuvalasa Bridge

Vizianagaram-531162

To

The Principal

Avanthi Institute of Engineering and

Technology

Cherukupally, Near Tagarapuvalasa Bridge

Vizianagaram-531162

Sir/Madam

Sub: Requisition to all the IQAC members to audit the department wise academic audit work and submit to IQAC.

The members are informed to conduct the academic audit report for the academic year 2018-2019 as per the team given below and as per the schedule from 20th to 31stDec 2018.On behalf of IQAC, I request the Principal to assign HOD's for cooperating the academic audit work with team members.

S.NO.	NAMEOFTHEDEPARTMENT	AUDITMEMBERS	DATE
1	Computer science and engineering	SEM –I Dr.P.Krishna Rao Mr.V.Satya Prakash	24-12-2018
2	Electronics and communication engineering	SEM- I Dr. H.Mallessam Dora Mr.JRG Patnaik	30-12-2018
3	Electrical and electronics engineering	SEM –I Dr.P.Krishna Rao Ms.M.Lakshmi Sramika	28-12-2018

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4	Mechanical engineering	SEM –I Dr.A.Bala Krishna Mrs.K.Praveena	27-12-2018
5	Civil engineering	SEM –1 Dr.P.Krishna Rao Mrs .K.Praveena.	31-12-2018
6	Basic Science and Humanities	SEM-I Dr. B. Avinash Ben Mrs. M. Sumathi	22-12-2018
7	Master of business administration	SEM–I Dr.B.AvinashBen Mrs.M.Sumathi	21-12-2018

Copy to:

The Principal

All the Department

H.O.D's

The Members of

IQAC

Principal

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AVANTHI INSTITUTE OF ENGG. & TECH.
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IQAC Cordinator

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year: 2018-2019 **I SEMESTER**

Date of Audit: 24-12-2018

We, Dr. P. Krishna Rao and Mr. V. Satya Prakash were entrusted to carry out the audit work of Department of Computer Science and Engineering by the IQAC. The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	23.88% (16/67) - **R16** 34.78% (8/23) -**R13** M.Tech 10.00%(2/120)-**R16** -Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	2 core elective 26.08%(6/23) - **R13** M.Tech 2 core elective 30.00% (6/20)-**R16** (Annexure 1.5)

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2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 34 faculty are assigned to teach for 502 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 2 Associate Professor: 2 Assistant Professors: 30 Annexure:2.1
3	Faculty qualifications	Doctorates : 2 Ph.D. Pursuing :2 M.Tech: 30
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books: --Book chapters:	Books: Nil
6	Faculty in Professional bodies Faculty contributions	1 faculty member is enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Training and Programs:1 Annexure 2.4
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's :	FDP's : 1 Annexure 2.5
9	List of conferences/seminars/workshops /FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: NIL Seminars: NIL Workshops: NIL FDP's: 7

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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	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	5 Best projects are carried as per PRC guidelines Annexure 3.1
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 co-ordinator and the Principal. • Interactive way of teaching • Regular verification of Attendance registers as well as the course files by HOD.

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	---Minutes of class committee meetings and action taken	• 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	• 3 Guest lectures, Seminars 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 : Annexure 3.2
8	MOU's with industries for internship	Internship with other industries are done.
9	Students feedback and follow up action	Needed action is taken up by students feedback
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. Result Analysis Annexure 3.3
12	Placements ---(%): Industries/organizations:	NA.
13	Higher studies(%): --Institutions:	11 students are progressed for higher studies. • Yerraguntla Surya Manikanta in MS • Atmakuri Pravallika in MBA • Reddy Madhuri in MTech • Yadhu Vamsi in MBA • Peethala Shirisha in MTech • Nodagala Rajendra in MBA • Kovvuru Sravani in MS • Kosana Divya in MS • Mongam Aparna in MBA • Vadapalli Kumar Sai in Mtech • Palakollu Lakshmi in MTech

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14	Student development activities: ---Co-curricular ---Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.4

4. Research consultancy and Extension

S.No	Criterion	Observations
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals :Nil
2	Publications in conferences: National: International:	National: 1 International: 2
3	Percentage of Faculty contributing in Research Publications:	8.8 Percentage of Faculty contributing in Research Publications
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:	Funded R&D projects done and its Evidences are enclosed Annexure 4.1
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 annexure:4.2
8	Research centers of excellence established:	Recognized as JNTUK Research center of excellence for the academic year 2020-2021
9	Skill development center established	YES, Skill development center established in collaboration with APSSDC

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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:16 Laboratories:5 E-classrooms: 1 Seminar halls: 2 Faculty rooms: 4
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	4 members of Technical and 1 members of administrative support is provided. P. Santhosh---Technical Ch. Shiva---- Technical K. Thalupulayya-- Technical T. Srinu--- 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: 330 List of softwares: Windows7, Windows10, office-2007, oracle-10g, Rational Rose, TURBO C++, JDK, TURBO C, ORACLE 10G, Python
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

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6. Student information support and progression

S. NO	Criterion	Observations
1	Add-on courses	Add-on courses conducted:2 • Android Applications • Apache PySpark
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: 2 • Iot club • Electoral literacy club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	From CSE III yr, 44 students are participated in internships

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 well as Attendance registers.

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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.
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) Research and Development cell
3) More number of student placements
4) Supportive working environment among department members
5) Strong department level support for faculty research activities
6) Nice lab facilities with good infrastracture

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.

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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

Head of the Department
Computer Science and Engineering
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COORDINATOR, IQAC
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapuvalasa Bridge
Bhogapuram (M), Vizianagaram (D)-531162

Sign. of Academic Auditors

Dr. P. Krishna Rao
Professor, Dept. of ECE

Mr. V. Satya Prakash
Professor & HOD of MBA

MURALI KRISHNA BARATAM

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AY: 2018-2019 **I SEM**

Date of Audit: 28-12-2018

We, Dr. P. Krishna Rao and Ms. M. Lakshmi Sramika were entrusted to carry out the audit work of Department of Electrical and Electronics Engineering by the IQAC . The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC .

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	23.8% (16/67) in **R16** 28.5% (6/21) in **R20** M.TECH 10%(2/20)1-1in **R16-PS** 10%(2/20)1-1 in **R16-PE** -Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	28.5%(6/21) in **R13(1P.E+1 O.E)** M.TECH 30%(6/20) 1-1 in **R16(2P.E)** for **PS** 30%(6/20)3-1 in **R116(1P.E+1O.E) for PE** Annexure 1.5

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2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 17 faculty are allotted to teach for 148 students
2	Faculty cadre ratio Prof : Asso : Asst	Professors: 1 Associate Professor: 3 Assistant Professors: 13 Annexure:2.1
3	Faculty qualifications	Doctorates : 1 Ph.D. Pursuing :1 M. Tech: 15
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculties, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: • Books: • Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	1 Faculty member is enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Nil
8	International/national level events organized • Training Programs • Workshops/seminars: • FDP's	Nil
9	List of conferences/seminars /workshops/ FDP's/ any exclusive programmes attended for enrichment of teaching-learning process	Conferences: Nil seminars :Nil workshops: Nil FDP's :5

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	Lists of students Detention and condonation are maintained.

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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	5 Best projects are carried as per PRC guidelines Annexure 3.1
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 verification of Attendance registers • Uploading of course material with lesson plan. • Track sheets are maintained to review syllabus coverage
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	• Guest lectures, seminars are conducted for the students to get aware of somecore related subjects, which are presented by eminent resource Persons. • Add-on Courses:2 Programs are conducted for students: Annexure3.2
8	MOU's with industries for internship	Internship with other industries is done .
9	Students feedback and follow up action	Needed action is taken up by students feedback
10	Scope for self learning • Certificate courses	Faculty members were very instrumental in designing and

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	• Online courses	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 . • Result analysis Annexure 3.3
12	Placements (%): Industries/organizations:	NA
13	Higher studies (%): Institutions:	2 Members are higher progressed for Higher studies 1 N.Neeharika in MBA 2 K.prasada Rao in M.Tech
14	Student development activities: Co-curricular Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.4

4. Research consultancy and Extension

S.NO	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals:Nil No. SCOPUS/SCI Indexed journals : Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	11% of Faculty contributing in Research Publications:
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--2 Submitted: --Nil Awarded: 1 Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done and its evidences are enclosed Annexure 4.1
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 annexure:4.2

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8	Research centres of excellence established:	---------
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:7 Laboratories:3 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	4 members of Technical support is provided. P. Santhosh- 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 List of software procured: 1.MATLAB 2.PSPICE
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses:2 1.PCB Design 2.PLC&SCADA

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2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: 2 1.Spark Club 2.Electoral Literacy Club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	Internships: II EEE:22 III EEE:14 are Participated

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.
s6	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. Strong department level support for faculty research activities
4. Supportive working environment among department members

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Weakness

1. Lack of NRI student attraction
2. Poor socio-economic status of the students.
3. 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 - EEE

Head of The Department
Department of Electrical and Electronics Engineering
Avanthi Institute of Engg. & Tech.
Cherukupally (V), Chittivalasa (SAO)
Bhogapuram (M), Vizianagaram(Dist)-531163

Sign. of Academic Auditors

(Dr. P.Krishna rao)
Professor of ECE

(Miss. M.Lakshmi Sramika)
Assoc Professor, Dept. of Mech

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www.aietta.ac.in, principal@aietta.ac.in

ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AY: 2018-2019 **I SEM**

Date of Audit: 30-12-2018

We, Dr. H. Mallessam Dora and Mr. J.R.G. Patnaik were entrusted to carry out the audit work of Department of Electronics and Communication Engineering by the IQAC. The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	23%(16/67) –**R16** 18%(4/22) -**R13** M.tech 10%(2/20)-**R16** 10%(2/20)-R16 -Two additional experiments are conducted in all labs (Annexure 1.4)

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5	Evidence of academic flexibility	2 Core elective 27.7%(6/22)-**R13** M.Tech 30%(6/20)-2P.E 30%(6/20)-2P.E (Annexure 1.5)

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 30 faculty members are assigned to teach for 249 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 1 Associate Professor: 5 Assistant Professors: 24 Annexure:2.1
3	Faculty qualifications	Doctorates: 1 Ph.D. Pursuing :2 M.Tech: 27
4	Faculty experience and retention	Annexure 2.2is enclosed by mentioning the (list of faculties, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	1 Faculty members are enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Training and Programs: 1
8	International/national level events organized • Training Programs • Workshops/seminars:	FDP's:2 Annexure 2.5

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	• FDP's:	
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Workshops:16 Conferences: Nil FDP's:5 Training Programs: Nil and its evidences are enclosed in Annexure 2.3

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 counseling/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	5 Best projects are carried as per PRC guidelines Annexure 3.1 Annexure 3.1
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	• 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

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	• Innovative teaching methods presented • Verification of course files • Minutes of class committee meetings and action taken	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.
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:4 Programs are conducted for students: Annexure 3.2
8	MOU's with industries for internship	Internship with other industries is done .
9	Students feedback and follow up action	Needed action is taken up by students feedback
10	Scope for self learning ---certificate courses ---online courses	Faculty members were very instrumental in designing and developing 4 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. Annexure 3.4
12	Placements (%): Industries/organizations:	Nil

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13	Higher studies(%): --Institutions:	4 members are succesfully progressed for Higher studies 1.V.Sai Mahesh Babu in MBA 2.P.Charani Sri in M.Tech 3.G.Simhachalam in MS 4.V.Yamini in MS
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.5

4. Research consultancy and Extension

1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals :Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	Nil
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:2 Submitted: --Nil Awarded: 1 Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	Projects are done and its evidences are enclosed Annexure 4.1
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 annexure:4.2
8	Research centers of excellence established:	------
9	Skill development centre established	YES, Skill development centre established in collaboration with APSSDC

5. Infrastructure and Learning resources

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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	5 members of Technical support is provided. P.Santhosh-Technical Ch.Shiva- Technical T.Jyothi-Technical G.Guruvulu-Technical K.Thapulayya-Technical
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:1.MATLAB 2.XILINX 3.KEEL-V4,V5 4.ARDUINO 5.HFSS 6.MULTISIM
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6.Student information support and progression

S.NO	Criterion	Observations

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1	Add-on courses	Add-on courses :4 1.PLC/SCADA/DCS 2.Tannar Tools 3.Computer Networking Security 4.Mentor Graphics
2	Student Publications: Dept. student E-Club:	Student Publications: No. of E-club activities for students:2 1.Crexta 2.Electroral literacy club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	Internships III ECE:20 II ECE:15 are participated

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.

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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) 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 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-ECE

Head of the Department
Electronics & Communication Engineering
AVANTHI INSTITUTE OF ENGG. & TECH
Cherukupally (Vill), Bhogapuram (M)
VIZIANAGARAM (DIST)

Sign. of Academic Auditors

(Dr .H.Mallessam Dora)
Assoc Professor, Dept.of EEE

(Mr.J.R.G.Patnaik)
Professor, Dept. of BS&H

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR : 2018-2019 I SEMESTER

DATE OF AUDIT : 27-12-2018

We, Dr. A. Bala Krishna and Mrs. K. Praveena were entrusted to carry out the audit work of Department of Mechanical Engineering by the IQAC . The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	9 .5%(2/21) **R13** 28.35%(16/67) **R16** **M tech** 10%(2/20) **R16** -Two additional experiments are conducted in all labs (Annexure 1.4)

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5	Evidence of academic flexibility	28.57%(6/21) **R13** **M tech** 30%(6/20) **R16** (Annexure 1.5)

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 32 faculty members are assigned to teach for 458 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 4 Associate Professor:5 Assistant Professors: 23 Annexure.2.1
3	Faculty qualifications	Doctorates : 4 Ph.D.Pursuing :11 M.Tech: 17
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books: --Book chapters:	Books-1
6	Faculty in Professional bodies Faculty contributions	2 faculty members are enrolled in Professional bodies and its evidence is enclosed in annexure 2.3
7	Faculty as resource persons in workshops/training activities	Training and Programs:1
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's :	FDP's : 2 Annexure 2.4
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: NIL Seminars: 1 Workshops: 1 Training Program: NIL Annexure 2.5

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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	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	5 Best projects are carried as per PRC guidelines Annexure 3.1 Annexure 3.1
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 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.

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7	Training programmes conducted for students ---Guest Lectures ---Add-on courses ---Seminars/workshops ---Compliance of department academic calendar	• 4 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:5 Programs are conducted for students Annexure 3.2
8	MOU's with industries for internship	• Internship with other industries is done.
9	Students feedback and follow up action	Needed action is taken up by students feedback.
10	Scope for self learning ---certificate courses ---online courses	• Faculty members were very instrumental in designing and developing 5 Add- on and Certificate course programs. 1.Hand on Experience in Welding(Foundation Level-1 2.Design and Development of Equal Channel Angular Pressing Setup 3.DASSUALT 4.DASSUALT 5.DASSUALT
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. • Annexure 3.3
12	Placements (%): Industries/organizations:	NA
13	Higher studies(%): --Institutions:	3 students successfully progressed for higher studies. 1. Kona Manoj Kumar ,Avanthi Institute of Engineering and Technology ,VSP. 2. Lukalapu Ramu, Nehru National Motilal Institute of Technology Allahabad. 3. Uppada Bala Bhaskara Rao, Anil Neerukonda Institute of Technology and Sciences.

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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: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: NIL No. SCOPUS/SCI Indexed journals : 5
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	(15.62%) 5 faculties contributing in Research Publications
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--08 Submitted: --Nil Awarded: 4 Guiding/guided: Nil
5	Funded R&D projects and consultancy works:	5 Projects are done and its evidences are enclosed Annexure 4.1
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 annexure:4.2
8	Research centers of excellence established:	-----
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	Classrooms:13 Laboratories:12

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	Class rooms: Laboratories: E-class rooms: Seminars: Faculty rooms:	E-classrooms:1 Seminar halls: 1 Faculty rooms:4
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	6 members of Technical and 1 members of administrative support is provided. N.Suresh---Technical K. Appala Narayana---Technical P. Kamesh---Technical M.P. Divakar Das---Technical D. Srinivas---Technical P.Santhosh---Technical P. Ramu---Attender
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 for students purpose:60 List of software procured: 1.ANSYS 15.U 2.CATIA V5 R13 3.MAT LAB
6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	5 Add-on courses are conducted 1)Hand on Experience in

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		Welding(Foundation Level-1 2) Design and Development of Equal Channel Angular Pressing Setup 3)DASSUALT VAC/MECH/003 4)DASSUALT VAC/MECH/005 5) DASSUALT VAC/MECH/007
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students:2 1.Mecha morphis 2. Electoral literacy club
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	Industrial visits:4 Internships: 2

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.
6		Maintaining fire extinguishers in all the

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	Risk evaluation/safety measures	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) Supportive non-teaching and laboratory staff.
3) Excellent and well-maintained infrastructure in form of new building.
4) Good teaching and learning environment supported by prolific library.
5) 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) Increase of research funding.
2) Interdisciplinary growth of core departments.
3) Opportunity to maximize the potentiality of Centres of Excellence.

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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, skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

HOD-MECH

HOD
MECHANICAL DEPARTMENT
AVANTHI INSTITUTE OF ENGG. & TEC
Bhogapuram (M), Vizianagaram (Dist.)

Sign. Of Academic Auditors

Dr. A. Bala Krishna
Professor, Dept of CSE

Mrs. K. Praveena
Assoc Professor, Dept of EEE

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF CIVIL ENGINEERING

AY: 2018-2019 **I SEM**

DATE OF AUDIT: 31-12-2018

We, Dr. P. Krishna Rao Rao and Mrs. K. Praveena were entrusted to carry out the audit work of Department of Civil Engineering by the IQAC .The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC .

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 and (Annexure 1.1) 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. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	18.88% (4/22) II/I -**R16** 27.27% (6/21) III/I 18.18% (4/22) IV/I**R13** Two additional experiments are conducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	13.63% (3/22) IV/I - **R13**

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS

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1	Student teacher ratio	19:1 10 faculty members are assigned to teach for 131 students
2	Faculty cadre ratio Prof: Assoc: Asst	Professors: Nil Associate Professor: Nil Assistant Professors: 10 Annexure:2.1
3	Faculty qualifications	Doctorates: Nil Ph.D. Pursuing: Nil M.Tech: 10
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculties, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: --Books: --Book chapters:	Nil
6	Faculty in Professional bodies Faculty contributions	Nil
7	Faculty as resource persons in workshops/training activities	Training and Programs: 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	Conferences: Nil Seminars: Nil Workshops: Nil FDP's: Nil

3. Teaching learning process and evaluation

S.NO.	CRITERION	OBSERVATIONS
1	Student performances Attendance Exams	List of students Detention and condo nation are maintained.

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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	5 Best projects are carried as per PRC guidelines Annexure 3.1
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 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.
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. • 1 Add-on Courses:6 Programs are conducted for students: Annexure 3.2

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8	MOU's with industries for internship	Internship with other industries is done and its evidences are enclosed.
		Annexure 3.3
9	Students feedback and follow up action	Needed action is taken up by students' feedback
10	Scope for self learning • Certificate courses • Online courses	Faculty members were very instrumental in designing and developing 1 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. its evidences are enclosed Annexure 3.4
12	Placements (%): Industries/organizations:	(57.44%) students , 27 candidates are selected in different companies Annexure 3.5
13	Higher studies (%): • Institutions:	Nil
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.5

4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals: Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	Nil
4	Ph.D. s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered: Nil Submitted: Nil Awarded: Nil Guiding/guided: Nil

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5	Funded R&D projects and consultancy works:	Projects are done and its evidences are enclosed
		Annexure 4.1
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 annexure:4.2
8	Research centres of excellence established:	------
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: 3 Laboratories:5 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	1 member of Technical and 1 member of administrative support is provided. Ch. Shiva-Technical K. Thapulayya- 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: 60 List of software procured: 1. Auto CAD 2. STAAD Pro 3. Arc GIS

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6	Dept, Newsletters and Magazine	Yes
7	Department level library resources	Yes

6. Student information support and progression

S.NO	CRITERION	OBSERVATIONS
1	Add-on courses	1 Add-on courses are conducted STAAD Pro
2	Student Publications: Dept. student E-Club:	Student Publications: Nil No. of E-club activities for students: 2 Budlers Club, Electoral literacy club.
3	Details for coaching provided for GATE/CRT/any other competitive examinations	External CRT classes are provided, 200 classes for an academic year
4	Industrial visits and Internships	III (Civil) 24, II (Civil) 16 students are Participated

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 2018-2019
2	MOUs with premier institutions for knowledge exchange	MOUs And its Annexure 7.1
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 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.

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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) Effective technical and Innovative skills
3) Good computational and experimental facilities
4) 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.

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-CIVIL

Head of the Department
Civil Engineering
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Chittivalasa (SAO)
Bhogapuram (M), Vizianagaram (D)-531162

Sign. of Academic Auditors

Dr. P. Krishna Rao
Professor, Dept. of ECE

Mrs. K. Praveena
Asst. Professor, Dept. of EEE

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ACADEMIC AUDIT REPORT (2018-2019)

Dept. of BASIC SCIENCES AND HUMANITIES

A.Y : 2018-2019 **SEM-I**

Date of Audit:22-12-2018

We, Dr.B. Avinash Ben and Mrs. M. Sumathi were entrusted to carry out the audit work of Department of Basic Sciences and Humanities by the IQAC .The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

1. COs, POs curriculum

S.NO.	CRITERION	OBSERVATIONS
1	COs and POs attainment	CO's and PO's attainment calculated by the faculty of BS&H and forwarded to concerned Department.
2	Stakeholders feedback related to curriculum design	Graduates exit survey; Alumni survey and employer survey are conducted and presented as consolidated as per format and sent by concerned Departments
3	Action taken on Minutes of Meeting	N/A
4	Percentage of Lab component	N/A
5	Evidence of academic flexibility	N/A

2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	1:19
2	Faculty cadre ratio Prof : Asso : Asst	Professors: 0 Associate Professor: 5

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		Assistant Professors: 21 Annexure:2.1
3	Faculty qualifications	Doctorates : 8 Ph.D Pursuing :2 M.Sc: 16
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
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:1 FDP: 0
8	International/national level events organized -- Training Programs --workshops/seminars: --FDP's :	FDP:2 Annexure 2.3
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: Nil Seminars: Nil Workshops: 1 FDP's: 10 Annexure 2.4

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

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		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	Not applicable
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 verification of Attendance registers • Uploading of course material with lesson plan. • Track sheets are maintained to review syllabus coverage
7	Training programmes conducted for students • Guest Lectures • Add-on courses • Seminars/workshops • Compliance of department academic calendar	Add-on Courses:2 Programs are conducted for students Annexure 3.1
8	MOU's with industries for internship	Not applicable
9	Students feedback and follow up action	Needed action is taken up by students feedback and its evidence is enclosed Annexure
10	Scope for self learning • certificate courses	N/A

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	• online courses	
11	Result analysis and conduct of remedial classes for students with backlogs	• Remedial classes are conducted to form an improvement from I Mid exam to II mid exam • Extra classes are conducted for backlog students
12	Placements ---(%): Industries/organizations:	N/A
13	Higher studies(%): • Institutions:	N/A
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated both in co-curricular and extra-curricular activities Annexure 3.2

4. Research consultancy and Extension

S.NO.	CRITERION	OBSERVATIONS
1	Faculty Publications in journals: Peer review journals: Thomson Reuters Impact factor journals	Total No. Of Peer review journals: No. SCOPUS/SCI Indexed journals : Nil
2	Publications in conferences: National: International:	Nil
3	Percentage of Faculty contributing in Research Publications:	
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Registered:--2 Submitted: --Nil Awarded: 8 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	N/A

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8	Research center of excellence established:	-----
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:14 Laboratories:3 E-classrooms: 1 Seminar halls: 2 Faculty rooms: 4
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. Ch. Rajani---- Attender Ch.Shiva---- Attender A.Srinu - Attender P.Santhosh---Technical N.Chitti Babu-- Technical B.Appala Raju--- Technical
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:120 List of software procured:
6	Dept, Newsletters and Magazine	Yes

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7	Department level library resources	Yes

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses : 2 1. Mobile Application Development 2. Indian spiritual &Cultural Heritage
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
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 2020-2021
2	MOUs with premier institutions for knowledge exchange	N/A
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 well as Attendance registers.

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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.
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) Strong department level support for faculty research activities
4) 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 Centres of Excellence.

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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 BS&H

Head of the Department
Basic Sciences and Humanities (BS&H)
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapuvalasa Bridge
Bhogapuram (M), Vizianagaram (D)-531162

Sign. of Academic Auditors

(Dr.B.Avinash Ben)
Associate Professor, HOD &Dept. of Mechanical

(Mrs. M.Sumathi)
Asst.Professor, Dept. of Civil

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ACADEMIC AUDIT REPORT (2018-2019)

DEPARTMENT OF MANAGEMENT STUDIES

ACADEMIC YEAR: 2018-2019 **I-III SEMESTERS**

DATE OF AUDIT: 21-12-2018

We, Dr. B. Avinash Ben and Mrs. M. Sumathi were entrusted to carry out the audit work of Department of Management Studies by the IQAC .The audit work was carried out with the consent and the presence of the Head of the Department and Department coordinators. The overall internal audit report was prepared & drafted based on the Academic Information Including strengths, weakness, and opportunities. The report was duly submitted along with suggestions to the IQAC.

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 and (Annexure 1.1) is enclosed
2	Stakeholders feedback related to curriculumdesign	Graduates exit survey; Alumni survey and employer survey, teachers survey are conducted and presented asconsolidated as per format. (Annexure 1.2)
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 (Annexure 1.3)
4	Percentage of Lab component	20%(6/30)-R16 -Two additional experiments areconducted in all labs (Annexure 1.4)
5	Evidence of academic flexibility	1Open elective+ 4 electives 29%(16/54)-R16 (Annexure 1.5)

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2. Faculty information and their contribution

S.NO.	CRITERION	OBSERVATIONS
1	Student teacher ratio	19:1 13 faculty members are assigned toteach for 187 students
2	Faculty cadre ratio Prof : Assoc : Asst	Professors: 0 Associate Professor: 2 Assistant Professors:11 Annexure:2.1
3	Faculty qualifications	Doctorates : 1 Ph.D.Pursuing :0
4	Faculty experience and retention	Annexure 2.2 is enclosed by mentioning the (list of faculty, qualifications, total experience, experience at AIET)
5	Faculty contribution in writing: • Books: • Book chapters:	Books-Nil
6	Faculty in Professional bodiesFaculty contributions	Nil
7	Faculty as resource persons inworkshops/training activities	Training activities-2
8	International/national level events organized • Training Programs • workshops/seminars: • FDP's :	Training Programs: Nil Workshops/ seminars: Nil FDP-1
9	List of conferences/seminars/workshops/FDP's/any exclusive programmes attended for enrichment of teaching-learning process	Conferences: Nil Seminars: Nil Workshops: Nil FDP:7 Annexure2.5

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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 ~~inovemt~~	Slow learners are identified based on performance in Mid-exams. Conducted extra classes for slowlearners
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	5 Best projects are carried as per PRCguidelines Annexure 3.1 Annexure 3.1
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 asper 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 asthe course files by HOD.

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		• Minutes of meetings are regularly 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 academiccalendar	• 1 Guest lectures is conducted for the students to get aware of some core related subjects, which are presented by eminent resource Persons. • Add-on Courses:1 Programs areconducted for students Annexure 3.2
8	MOU's with industries for internship	Internship with other industries are done and its evidences are enclosed. Annexure 3.3
9	Students feedback and follow up action	Needed action is taken up by studentsfeedback
10	Scope for self learning • certificate courses • online courses	Faculty members were v e r y instrumental 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 ---(%):	NA
13	Higher studies(%):	Nil
14	Student development activities: • Co-curricular • Extra-curricular activities	Students are participated in co-curricular extra-curricular activities Annexure3.5

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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	Total No. Of Peer review journals: Nil No. SCOPUS/SCI Indexed journals :Nil
2	Publications in conferences: National: International:	National : Nil International: Nil
3	Percentage of Faculty contributing inResearch Publications:	Nil
4	Ph.D s registered: Submitted: Awarded: Ph.D. guiding/guided	Ph.D s : 0 registered:0 Submitted:0 Awarded:0 Ph.D. guiding/guided:0
5	Funded R&D projects and consultancy works:	Funded R&D projects are done and its evidence is enclosed in Anexure 4.1
6	Incentives for faculty R&D	Incentives for faculty Research publications as per HR policy
7	MOU's with industries/R&D/PremierInstitutes	MOU'S with industries and R&D Annexure: 4.2
8	Research centers of excellence established:	------
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 teachinglearning process Classrooms Laboratories E-class rooms: Seminars:	Classrooms:4 Laboratories:1 E-classrooms: 1 Seminar halls: 1 Faculty rooms: 1

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	Faculty rooms:	
2	Internet facility for faculty and students:	Wi-Fi net is enabled
3	Technical and administrative staff support	2 members of Technical and 1 membersof administrative support is provided. P.Santhosh---Technical Ch.Shiva ----Technical K.Thapulayya-- administrative Support
4	Department budget: Sanctioned amount: Amount spent: New equipment added: Maintenance of equipment and consumableregisters in labs	
5	Details of computing facilities and software	Total number of computers:60 List of Software: R Studio
6	Dept, Newsletters and Magazine	YES
7	Department level library resources	YES

6. Student information support and progression

S.NO	Criterion	Observations
1	Add-on courses	Add-on courses: 1. TALLY ERP 9.0
2	Student Publications: Dept. student E Club:	Student Publications: Nil No. of E-club activities for students:1 Electoral literacy Club
3	Details for coaching provided for GATE/CRT/any other competitiveexaminations	External CRT classes are provided, 200classes for an academic year
4	Industrial visits and Internships	Industrial Visits:2 Internships: Nil

7. Governance, Leadership and Management

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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 2018-2019
2	MOUs with premier institutions forknowledge exchange	MOU'S And its Annexure7.1
3	Display of vision, mission and qualityobjectives at prominent places	Yes
4	Staff and students' attendance monitoringsystem: -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 who undergo for research submission work.
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 Research and Development cell
2) faculty retention
3) More number of student placements
4) Strong department level support for faculty research activities
5) Supportive working environment among department members

Weakness

1) Lack of NRI student attraction

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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, skills, quality of teacher's education and extra-curricular as well as co-curricular activities.

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