

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR – 635104

ACADEMIC AUDIT REPORT – IQAC

Audit Period – Academic Year 2023–25

As part of continuous quality improvement activity, an academic audit for the year 2023–25 was conducted on 31.01.2025 and 01.02.2025.

Audit Experts Team:

- **Dr. N. Siva Shanmugam**, Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli.
- **Dr. V.R. Vijaykumar**, Professor, ECE, Madras Institute of Technology, Chrompet.
- **Dr. V. Sumathy**, Principal, Government College of Engineering, Dharmapuri.
- **Dr. P. Raja**, Associate Professor, Electrical and Electronics Engineering, NIT Trichy.

Method of Audit

1. All Heads of Departments were asked to prepare audit documents as per prescribed formats. HODs presented improvements made since the previous audit (i.e., 2022–23). Presentations included curriculum revisions, NBA status, academic performance, R&D activities, and placement outcomes.
2. The audit team visited classrooms, laboratories, libraries, hostel facilities, and student amenities to evaluate adequacy and maintenance.
3. Academic feedback was obtained from students through interactive sessions with the audit team.
4. Course files, curriculum, attainment records, and supporting documents were verified against prescribed standards.
5. The audit team conducted exit meetings with departments and the principal, presenting observations and recommended actions.

General Observations for the Institute (2023–25)

1. The institute has adequate classrooms and laboratory infrastructure, but smart classroom facilities require further expansion.
2. Faculty strength has improved compared to the previous audit; however, more permanent faculty appointments are still needed in core engineering branches.
3. Hostel facilities have been upgraded with improved water systems and pest control, though food quality remains an area for further attention.
4. Placement activities show an upward trend with better industry tie-ups, yet documentation of vertical-wise placement outcomes needs to be strengthened.
5. Consultancy and funded projects have increased across Mechanical, ECE, and Physics departments; interdisciplinary projects need more focus.
6. AICTE 360° feedback compliance has improved, but contribution to institutional, departmental, and societal activities must be recorded more systematically.
7. Bridge and remedial courses in mathematics, programming, and communication skills were conducted successfully, improving the transition for first-year students.
8. Innovation and entrepreneurship cells have initiated workshops, but more patents and start-up initiatives should be targeted.

9. Green campus initiatives such as solar energy utilization and waste segregation have been partially implemented; further expansion is recommended.
10. Collaborative research with IITs, NITs, and industries has been initiated, and student participation in national-level competitions has increased compared to last year.

CONSOLIDATED MINUTES OF ACADEMIC AUDIT – MECHANICAL DEPARTMENT (2022-23 & 2023-25)

A. Audit Year: 2022-23

Date: 01.02.2024

Department: Mechanical Engineering

Auditor: Dr. P. Palani, Principal, TPGIT, Vellore/ Dr. C. Shameela, Professor of EEE, CEG, Anna University Chennai.

Venue: Administrative Block, Conference Hall

Auditor: Observations & Action Taken (2022-23):

1. Good Practices

- Noticeable number of funded projects were completed; two ongoing research projects were found to be highly promising.
- Two Centres of Excellence (Welding Research Lab and Cold Spray Lab) were well established.
- Teamwork within the department was highly appreciated.

2. Course Files & Documentation

- *Observation:* Only attainment levels for internal examinations were available; final attainment level post-results was not included.
- *Action Taken:* Faculty instructed to include final attainment levels after publication of results.
- *Observation:* Internal assessment question papers lacked proper approval and Bloom's taxonomy verification.
- *Action Taken:* HOD approval mandated, with verification of Bloom's taxonomy, CO, and PO mapping.
- *Observation:* AICTE 360° degree feedback was incomplete.
- *Action Taken:* Department instructed to ensure individual and departmental completion.

3. Curriculum & Consultancy

- *Observation:* The R-2022 curriculum vertical required refinement with current industry demand.
- *Action Taken:* Committee formed to review and align verticals.
- *Observation:* Consultancy output not in line with available facilities.
- *Action Taken:* Faculty encouraged to enhance consultancy utilization.

4. Student Development

- *Observation:* Limited NPTEL/SWAYAM/MOOC participation.
- *Action Taken:* Students encouraged and supported to enroll.
- *Observation:* Inadequate motivation and support for hackathon participation.
- *Action Taken:* Faculty assigned to mentor and guide student participation.

- *Observation:* Lack of separate classroom for first-year students and inadequate space in Dynamics and CADD labs.
- *Action Taken:* Proposal raised for new classroom and renovation of labs.
- *Observation:* Toilets not sufficient for boys.
- *Action Taken:* Request forwarded for expansion.
- *Observation:* Students requested PG program introduction.
- *Action Taken:* Proposal initiated for consideration.

5. Infrastructure & Facilities

- *Observation:* Classrooms well maintained, digital boards functional.
- *Observation:* Department computers outdated and design software needed upgrades.
- *Action Taken:* Upgradation plan prepared.
- *Observation:* Students requested plagiarism software for research paper submission.
- *Action Taken:* Procurement of plagiarism-check software initiated.

B. Audit Year: 2023-25

Date: 29.04.2025

Department: Mechanical Engineering

Venue: Conference Hall, Administrative Block

Auditor: Dr. N. Siva Shanmugam, Professor, Department of Mechanical Engineering, NIT Tiruchirappalli

Observations & Recommendations (2023-25):

1. Governance & Documentation

- AICTE 360° feedback must include societal, departmental, and institutional contributions.
- Internal assessment evaluation to be conducted by a committee with both internal and external members.
- PO-CO mapping and attainment require revisions with improved documentation.
- Each academic/functional vertical must have a designated faculty in charge with a detailed student map.

2. Placement & Career Development

- Placement statistics to be evaluated based on vertical-wise student performance. Data corrections to be updated promptly.
- Students to be encouraged and supported to participate in national-level events (IITs, NITs, etc.).
- Faculty members to engage in collaborations with institutes of national importance.

3. Curriculum & Outreach

- Updated syllabus to be uploaded on the institutional website without delay.
- Brochures to be developed showcasing departmental laboratory facilities for outreach and promotional purposes.

4. Student & Faculty Support

- Playground facilities requested by girl students; demand for women counsellors raised.
- Hostel facilities to be improved, with focus on food quality and hygiene.

- o Departmental computer infrastructure found unsatisfactory; immediate repair/replacement recommended.

C. Consolidated View (2022 → 2025)

- **Course Files & Attainments:** 2024 emphasized inclusion of final attainment levels and Bloom's taxonomy verification; 2025 extended focus to PO-CO mapping, structured vertical in-charges, and committee-based internal evaluation.
- **Training & Student Exposure:** 2024 stressed hackathon participation, MOOC enrollment, and classroom/lab facilities; 2025 advanced with national-level student participation and faculty engagement with premier institutes.
- **Research & Consultancy:** 2024 highlighted funded projects, Centres of Excellence, and consultancy scope; 2025 reinforced the need for improved outreach through brochures and collaborations.
- **Student Support & Career Readiness:** 2024 covered basic student needs (toilets, PG request, labs, classrooms); 2025 strengthened placement evaluation, hostel improvements, and support for girl students.
- **Infrastructure & Facilities:** 2024 initiated digital boards, computer/software upgrades, and plagiarism-check software; 2025 pressed for immediate computer infrastructure repair and better hostel/playground facilities.
- **Governance & Documentation:** 2024 identified incomplete AICTE 360° feedback; 2025 expanded governance requirements to include societal/institutional contributions, website updates, and structured documentation.

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CONSOLIDATED MINUTES OF ACADEMIC AUDIT – ECE DEPARTMENT (2022-23 & 2023-25)

A. Audit Year: 2022-23

Date: 31.01.2024

Department: Electronics and Communication Engineering (ECE)

Venue: Administrative Block, Conference Hall

Auditor: Dr. V. Sumathy, Principal, GCE-Dharmapuri/ Dr. J. C. Miraclin Joice Pamela,
Professor of CSE, GCE-Dharmapuri.

Observations & Action Taken (2022-23):

1. Course File Documentation

- *Observation:* Overall attainment not consistently documented in course files.
- *Action Taken:* Faculty instructed to record attainment levels uniformly across all courses.

2. Internal Question Paper Setting

- *Observation:* Question papers lacked variety in structure.
- *Action Taken:* Introduced inclusion of seven two-mark questions and encouraged more subdivisions in long-answer questions.

3. Assignments Diversification

- *Observation:* Assignments were limited to traditional written tasks.
- *Action Taken:* Faculty diversified assignments into seminars, mini-projects, paper publications, and case studies.

4. Student Segregation for Placement/Research

- *Observation:* Students not systematically grouped by domain expertise.
- *Action Taken:* Students were aligned based on domain interest to strengthen placement opportunities and research outputs.

5. In-Plant Training

- *Observation:* Lack of structured in-plant training schedule.
- *Action Taken:* In-plant training scheduled for students at the end of 4th semester.

6. Laboratory Training

- *Observation:* Students required improved exposure to modern laboratories.
- *Action Taken:* Special lab training sessions conducted to enhance hands-on skills.

7. Departmental YouTube Channel

- *Observation:* No online channel to showcase departmental activities.
- *Action Taken:* Plan initiated to create an official departmental YouTube channel highlighting lessons and student projects.

8. E-Lab Content Development

- *Observation:* Limited digital resources available.
- *Action Taken:* Faculty began developing e-lab content to support digital learning.

9. Collaborations (Interdisciplinary/Inter-Institutional)

- *Observation:* Limited collaboration with other institutions/industries.
- *Action Taken:* Initiatives undertaken for interdisciplinary and inter-institutional projects/publications.

10. Faculty Research Metrics

- *Observation:* No systematic tracking of H-index/Scopus profile.

- *Action Taken:* Faculty instructed to update and maintain Scopus profile and H-index regularly.
- 11. **GATE/NPTEL Forum**
 - *Observation:* Limited student engagement in online courses.
 - *Action Taken:* Students encouraged to enroll in NPTEL; GATE preparation forums introduced.
- 12. **Department Brochure**
 - *Observation:* No brochure to highlight department strengths.
 - *Action Taken:* Department brochure initiated to showcase lab facilities, achievements, and research work.
- 13. **CTS Project (Chip to Startup)**
 - *Observation:* CTS project opportunities unexplored.
 - *Action Taken:* Department considered applying for CTS project, subject to PG program availability.
- 14. **Bloom's Taxonomy Evaluation**
 - *Observation:* Question papers not reviewed for Bloom's alignment.
 - *Action Taken:* Committee with external examiners formed to evaluate papers based on Bloom's Taxonomy.
- 15. **Student Alignment to Verticals**
 - *Observation:* Lack of structured alignment of students to academic/functional verticals.
 - *Action Taken:* Students mapped to verticals based on career interests.
- 16. **Use of Modern Technology Tools**
 - *Observation:* Shortage of advanced teaching-learning tools.
 - *Action Taken:* Procurement of modern technological tools initiated.
- 17. **Guest Lectures**
 - *Observation:* Insufficient industry-academic exposure for students.
 - *Action Taken:* More guest lectures organized with experts from academia and industry.
- 18. **AICTE 360° Feedback**
 - *Observation:* Feedback implementation satisfactory.
 - *Action Taken:* Continued monitoring of 360° feedback system.
- 19. **Faculty Publications**
 - *Observation:* Publication count satisfactory but scope for growth.
 - *Action Taken:* Faculty encouraged to attend international conferences to strengthen research exposure.

B. Audit Year: 2023-25

Date: 29.04.2025

Department: Electronics and Communication Engineering (ECE)

Venue: Conference Hall, Administrative Block

Auditor: Dr. V.R. Vijaykumar, Professor, ECE, Madras Institute of Technology, Chrompet

Observations & Recommendations (2023-25):

1. **Lab Technician Accessibility:** Ensure lab technicians are easily available to assist students, maintain safety, and resolve technical issues promptly.
2. **Faculty YouTube Channels:** Faculty should create YouTube channels for lessons and lab experiments, preferably in Tamil for accessibility.

3. **Funded Projects:** Faculty to actively secure more funded projects via collaborations with colleges and industries; interdisciplinary projects encouraged.
4. **MoUs with Industries:** Establish MoUs focusing on research collaboration and student placement.
5. **Scopus Profile & H-Index:** Faculty to maintain updated Scopus profiles and work on improving H-index.
6. **NPTEL Course Enrollment:** Each faculty should complete at least one NPTEL course per semester; maintain records for accountability.
7. **Core Domains & Job Opportunities:** Faculty to identify core domains, map relevant companies, and share opportunities with students; documentation required.
8. **Encouraging Online Courses & Exam Preparation:** Motivate students to take online courses aligned to career goals and prepare for exams like GATE.
9. **Student Development Goals:** Emphasis on placements, entrepreneurship, and higher studies as the three pillars of student growth.
10. **Website Profile Maintenance:** Departmental and placement profiles on website must be regularly updated with accurate data.

C. Consolidated View (2022 → 2025)

- **Course Files & Attainments:** 2024 highlighted need for uniform attainment documentation; 2025 extends this to structured faculty online presence (YouTube) and continuous student career mapping.
- **Training & Exposure:** 2024 emphasized labs, in-plant training, and guest lectures; 2025 continues with lab technician support and GATE/online course encouragement.
- **Research & Funding:** 2024 recorded satisfactory publications and conference participation; 2025 pushes for funded projects, MoUs, and higher Scopus/H-index.
- **Student Support & Career Readiness:** 2024 introduced student segregation by domain and NPTEL encouragement; 2025 advances with structured placement/entrepreneurship/higher studies focus.
- **Digital Outreach:** 2024 initiated departmental YouTube and e-lab content; 2025 strengthens it with individual faculty YouTube channels.
- **Governance & Documentation:** 2024 introduced Bloom's Taxonomy evaluation and AICTE 360° compliance; 2025 stresses website profile maintenance and better documentation of student development activities.

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CONSOLIDATED MINUTES OF ACADEMIC AUDIT – CSE DEPARTMENT (2022-23 & 2023-25)

A. Audit Year: 2022-23

Date: 31.01.2024

Department: Computer Science and Engineering (CSE)

Auditor: Dr. V. Sumathy, Principal, GCE-Dharmapuri/ Dr. J. C. Miraclin Joice Pamela,
Professor of CSE, GCE-Dharmapuri.

Venue: Administrative Block, Conference Hall

Observations & Action Taken (2022-23):

1. Final Attainment Level Documentation

- *Observation:* Attainment levels after publication of end-semester results were not consolidated in a uniform format across all courses.
- *Action Taken:* Faculty members were directed to include attainment details in the course files. Consolidated attainment reports have been prepared for each semester under the supervision of the HoD.

2. External Funding and Research Activities

- *Observation:* Need to strengthen R&D culture and secure external funding projects.
- *Action Taken:* Faculty actively engaged in research; papers published in reputed journals. A proposal for CMRG funding was submitted and reached Level 2 evaluation. Department activities were aligned with SIPR&I and UBA initiatives to promote research and innovation.

3. Ph.D. Holders as Recognized Supervisors

- *Observation:* Faculty members holding doctoral degrees were yet to obtain official recognition as Ph.D. supervisors.
- *Action Taken:* Two faculty members were recognized and began guiding scholars.
 - Dr. J. Manimaran, AP/CSE – guiding Ms. C.S.L. VijayaDurga (Annamalai University).
 - Dr. R. Balamurugan, AP/CSE – guiding Mr. Arun M (Reg. No. 2239090004, DOJ 17.02.2023). Faculty members are further encouraged to obtain supervisor recognition from affiliating universities.

4. Laboratory Infrastructure and System Availability

- *Observation:* Inadequate number of high-end systems for advanced lab courses and project work.
- *Action Taken:* 18 new high-end systems were purchased and installed in September 2024, which significantly improved lab facilities and student project support.

5. Training and Skill Development Programs

- *Observation:* Students requested more structured training programs in programming, aptitude, and placement-oriented skills.

- *Action Taken:* Department organized multiple training programs during the academic year, focusing on coding platforms, technical skills, and industry readiness. Feedback indicated improved student confidence.
- 6. **Access to IEEE Journals and Digital Resources**
 - *Observation:* Limited awareness among students regarding the availability of IEEE journals and digital resources through the central library.
 - *Action Taken:* IEEE journal access was made available to all faculty and students. Awareness sessions were conducted to train students in accessing IEEE Xplore and other databases for research and project purposes.
- 7. **Completion of Syllabus on Time**
 - *Observation:* Students expressed concerns about completion of 100% syllabus before examinations.
 - *Action Taken:* The HoD monitored syllabus coverage on a weekly basis. A reporting mechanism was created to ensure that all faculty complete the syllabus on schedule. Compliance was achieved during the semester.

B. Audit Year: 2023-25

Date: 29.04.2025

Department: Computer Science and Engineering (CSE)

Venue: Conference Hall, Administrative Block

Auditor: Dr. V. Sumathy, Principal, Government College of Engineering, Dharmapuri – 636701

Observations & Recommendations (2023-25):

1. **Placement Performance:** Current placement rate is 37%; needs significant improvement. Also raise the **average salary package**.
2. **Alumni Association Registration:** Not yet registered; complete formal registration to enable structured alumni engagement.
3. **Course File Improvement:** Embed assignment marks **within** the assignment (not separate sheets) and include **constructive comments** so students see what was reviewed/corrected.
4. **CO-PO Mapping Justification:** Maintain documentation explaining the rationale for mappings, especially where outcomes fall short (e.g., difficult COs).
5. **End-Semester Course Analysis:** Include detailed end-semester analysis for each course in the respective course files.
6. **360-Degree Feedback:** Process not fully completed; ensure timely and thorough implementation.
7. **Exit Survey:** Not conducted; implement exit surveys for outgoing students.
8. **Weak Student Training Records:** Maintain a formal record of training/support for academically weak students for follow-up and tracking.
9. **Student Counseling:** Provide counseling actively and **document** it.
10. **Parent-Teacher Interaction Records:** Currently lacking; maintain periodic records of interactions.
11. **Project Titles & Documentation:** Titles and related records not properly organized; ensure systematic documentation and regular updates.

12. **Alumni Records Maintenance:** Establish and maintain a system to track alumni progress and engagement.
13. **General Observation:** Many initiatives started; require **consistent follow-through** and **documentation** to ensure effectiveness and accountability.
14. **Complaint Mechanism:** Introduce a **formal complaint system** for both students and non-teaching staff.
15. **Training for Non-Teaching Staff:** Organize training sessions within the college, ideally in collaboration with faculty, to improve efficiency and awareness.

C. Consolidated View (What's recorded across 2022 → 2025)

- **Attainment & Course Files:** 2024 directs to course files for final attainment levels; 2025 asks for stronger *embedded* documentation—assignment remarks, end-semester analyses, and CO-PO justification.
- **Research & Funding:** 2024 notes active R&D, publications, and a CMRG Level-2 proposal; 2025 stresses alumni, placements, and record-keeping while continuing quality documentation.
- **Infrastructure:** 18 high-end systems added in Sept-2024; 2025 focuses more on processes/records than new infra.
- **Student Support & Governance:** 2024 ensured 100% syllabus coverage and training programs; 2025 expands to counseling logs, weak-learner tracking, parent-interaction records, exit surveys, and formal complaint mechanisms.
- **Library/Access:** IEEE access confirmed in 2024; maintain in 2025 with improved academic documentation around learning outcomes.

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CONSOLIDATED MINUTES OF ACADEMIC AUDIT – SCIENCE AND HUMANITIES DEPARTMENT (2022-23 & 2023-25)

A. Audit Year: 2022-23

Date: 31.01.2024

Department: Science and Humanities (S&H)

Auditor: Dr. V. Sumathy, Principal, GCE-Dharmapuri/ Dr. J. C. Miraclin Joice Pamela, Professor of CSE, GCE-Dharmapuri.

Venue: Administrative Block, Conference Hall

Auditor: Observations & Action Taken (2022-23):

1. Good Practices

- Induction program was well planned and executed; students taken to Bengaluru and Keezhadi for exposure.
- Significant IRG generated through physics consultancy work; R&D facilities found satisfactory.
- MoU signed with other colleges for research and knowledge transfer.

2. Course Files & Documentation

- *Observation:* No permanent faculty in mathematics department, impacting first-year transition.
- *Action Taken:* Proposal raised for recruitment of permanent mathematics faculty.
- *Observation:* Different levels of attainment for course outcomes not aligned with engineering applications.
- *Action Taken:* Faculty advised to integrate engineering applications with basic concepts.
- *Observation:* S&H syllabus required better alignment with engineering curriculum.
- *Action Taken:* Proposal initiated for curriculum restructuring.
- *Observation:* Limited training of faculty on CBCS and outcome-based education.
- *Action Taken:* Faculty nominated for training workshops.
- *Observation:* Internal assessment papers lacked proper HOD approval and Bloom's taxonomy verification.
- *Action Taken:* Approval process streamlined and CO-PO mapping mandated.
- *Observation:* AICTE 360° feedback not completed by individual faculty and department.
- *Action Taken:* Compliance monitored by IQAC.

3. Classrooms & Lab Visit

- *Observation:* Only three classrooms available for first years; need for a fourth classroom.
- *Action Taken:* Proposal raised for additional classroom.
- *Observation:* Ground floor lighting inadequate; tinted film on windows blocked natural light.
- *Action Taken:* Facility team instructed to improve lighting and remove tinted film.
- *Observation:* Waste materials dumped near chemistry lab posed fire and reptile hazards.

- o *Action Taken:* Clearance and safe waste disposal mandated.

B. Audit Year: 2023-25

Date: 30.04.2025

Department: Science and Humanities (S&H)

Venue: Conference Hall, Administrative Block

Auditor: Dr. V. Sumathy, Principal, Government College of Engineering, Dharmapuri – 636701/ Dr. N. Siva Shanmugam, Professor, Department of Mechanical Engineering, NIT Tiruchirappalli

Observations & Recommendations (2023-25):

1. Faculty & Teaching

- o Permanent faculty appointments in Mathematics and Chemistry must be expedited to ensure curriculum continuity.
- o Faculty encouraged to pursue funded research projects in applied sciences with interdisciplinary collaboration.
- o Faculty must complete at least one NPTEL/SWAYAM course per year and maintain certification records.

2. Course Files & Curriculum

- o Continuous monitoring of CO-PO mapping and Bloom's taxonomy compliance required.
- o S&H courses must include practical, real-world case studies to improve first-year student engagement.
- o Department advised to create bridge courses in mathematics and communication skills for weak students.

3. Student Support & Development

- o Student mentoring system to be strengthened for first-year transition. Each faculty to mentor 15–20 students.
- o Communication skills training and aptitude sessions to be conducted for students preparing for campus recruitment.
- o Students encouraged to participate in science exhibitions, hackathons, and national-level quiz/essay competitions.

4. Research & Outreach

- o Department to organize at least one national-level seminar/conference annually.
- o Collaboration with nearby universities and industries to be enhanced for knowledge sharing and internships.
- o Publication of departmental newsletter showcasing student achievements and faculty research recommended.

5. Infrastructure & Facilities

- o Immediate requirement for additional classroom to handle large first-year intake.
- o Chemistry lab safety to be upgraded with proper waste disposal, fume hoods, and fire safety equipment.
- o Request for modern language lab facilities for English communication training.
- o Smart boards and upgraded projectors to be installed in classrooms for interactive learning.

C. Consolidated View (2022 → 2025)

- **Faculty & Curriculum:** 2024 flagged shortage of permanent faculty and syllabus alignment issues; 2025 pushed for expedited appointments, bridge courses, and interdisciplinary research.
- **Course Files & Governance:** 2024 initiated Bloom's taxonomy compliance and AICTE feedback completion; 2025 reinforced CO-PO mapping, case-based teaching, and mandatory NPTEL certification.
- **Student Support & Mentoring:** 2024 emphasized induction and limited classroom facilities; 2025 advanced with structured mentoring, skill development programs, and national-level participation.
- **Research & Outreach:** 2024 highlighted MoUs and consultancy work; 2025 moved toward organizing seminars, conferences, and publishing departmental newsletters.
- **Infrastructure & Safety:** 2024 addressed lighting, classroom shortage, and waste disposal; 2025 extended focus to chemistry lab safety, smart classrooms, and language lab setup.

CONSOLIDATED MINUTES OF ACADEMIC AUDIT – CENTER OF EXAMINATIONS (COE) (2022-23 & 2023-25)

A. Audit Year: 2022-23

Date: 01.02.2024

Office: Center of Examinations (COE)

Auditor: Dr. V. Sumathy, Principal, GCE-Dharmapuri/ Dr. J. C. Miraclin Joice Pamela, Professor of CSE, GCE-Dharmapuri.

Venue: Administrative Block

Auditor: Observations & Action Taken (2022-23):

1. Good Practices

- Open day was highly appreciated as it reduced the need for revaluation and improved transparency.
- Scrutiny of question papers resulted in a noticeable improvement in quality.

2. Governance & Documentation

- *Observation:* Finance committee minutes, board of study minutes, academic council minutes, and IQAC audit reports were not displayed on the website.
- *Action Taken:* Steps initiated to upload official reports on the institutional website.
- *Observation:* Updated syllabus and curriculum not uploaded on the website in a timely manner.
- *Action Taken:* Responsibility assigned to academic coordinators for regular updates.
- *Observation:* Malpractice norms needed strict enforcement as per Anna University guidelines.
- *Action Taken:* Exam committee instructed to adhere strictly to regulations.

B. Audit Year: 2023-25

Date: 30.04.2025

Office: Controller of Examinations (COE)

Venue: Conference Hall, Administrative Block

Auditor: Dr. V.R. Vijaykumar, Professor, ECE, Madras Institute of Technology, Chrompet/ Dr. P. Raja, Associate Professor, Electrical and Electronics Engineering, NIT Trichy.

Observations & Recommendations (2023-25):

1. Examination Reforms

- Online hall ticket generation and seating arrangements to be introduced for efficiency and transparency.
- Multiple question paper setters to be engaged for each subject to maintain quality and reduce bias.
- Strict deadlines for question paper submission and moderation to be enforced.

2. Governance & Transparency

- All exam circulars, revaluation guidelines, and moderation policies must be uploaded on the website promptly.
- A digital repository of board of studies minutes and academic council resolutions to be maintained for easy access.
- Periodic COE reports to be shared with IQAC for institutional recordkeeping.

3. Student Services

- Online student grievance redressal system for exam-related issues (hall ticket errors, mark sheet discrepancies, revaluation queries) to be launched.
- SMS/email alerts for publication of results and deadlines to be introduced for better communication.
- Students to be educated on malpractice rules at the beginning of every semester to reduce violations.

4. Technology & Infrastructure

- Automation of exam result processing and mark sheet generation to be strengthened with upgraded ERP support.
- Secure digital storage for question papers and evaluation data to be established.
- CCTV surveillance in exam halls to be extended for ensuring discipline and fairness.

5. Faculty & Examiner Support

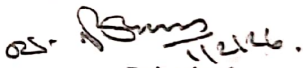
- Orientation programs for paper setters and evaluators to ensure uniformity in question setting and evaluation.
- Guidelines to be framed for question paper design strictly aligned with Bloom's Taxonomy.
- Faculty to be trained in using the digital COE portal for submissions and approvals.

C. Consolidated View (2022 → 2025)

- **Governance & Documentation:** 2024 highlighted missing uploads of council minutes and syllabus updates; 2025 reinforced governance with digital repositories, timely uploads, and IQAC reporting.

- **Examination Quality:** 2024 initiated question paper scrutiny for better quality; 2025 advanced this with multiple paper setters, moderation, and Bloom's alignment.
- **Transparency & Student Services:** 2024 focused on malpractice rules; 2025 extended transparency with online grievance systems, SMS/email alerts, and malpractice awareness drives.
- **Technology & Infrastructure:** 2024 ensured strict adherence to Anna University norms; 2025 moved further with ERP automation, secure storage, and CCTV coverage.
- **Faculty & Examiner Training:** 2024 ensured scrutiny improvement; 2025 built on this with training sessions, examiner guidelines, and uniform evaluation methods.


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