

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

(An Autonomous Institution, Affiliated to Anna University, Chennai)

IQAC INTERNAL AUDIT REPORT

Academic Year 2024–25 and 2025–26

Departments Covered: CSE | Mechanical Engineering | EEE | CSE (Cyber Security) | ECE | Science & Humanities

Prepared from: Department-wise IQAC Internal Audit reports (Criteria 1–6)

As part of continuous quality improvement, an internal audit for the academic years 2024–25 and 2025–26 was conducted. This report presents a single, comparable view of curricular, teaching-learning, research, infrastructure, student-support, and governance readiness across departments, ahead of the forthcoming external IQAC audit.

Audit Team and Schedule

The IQAC Internal Audit Committee for the Academic Years 2024–25 and 2025–26 was constituted vide IQAC Circular dated 05.06.2026 (Ref: IQAC Circular dated 27.04.2026). The Committee verified documents and records covering Criteria 1 to 6 as per the enclosed Internal Audit Checklist.

Department Assigned for Audit	Auditor 1 — Name & Designation	Auditor 2 — Name & Designation
CSE / Cyber Security	Dr. G. Saraswathy — ASP/Chemistry, Head/S&H	Dr. R. Bakkiyaraj — ASP/Physics
ECE	Dr. P. Thirumal — Professor & Head/MECH	Dr. K. Kumar — ASP & Head/Cyber Security
EEE	Dr. M. Kavitha — ASP/ECE	Dr. M. Arulkumar — AP (Sr. Gr.)/ECE
Mechanical Engineering	Dr. J. Nafeesa Begum — Professor & Head/CSE	Dr. R. Subathra — AP/CSE
Science & Humanities	Dr. W. Nishath Kanvel — Professor/EEE	Dr. K. Mohan — AP (Sr. Gr.)/EEE

Consolidated Internal Audit Report Summary

This report consolidates the department-level IQAC Internal Audit findings for six departments Computer Science and Engineering (CSE), Mechanical Engineering, Electrical and Electronics Engineering (EEE), CSE (Cyber Security), Electronics and Communication Engineering (ECE), and Science and Humanities — across six criteria: Curricular Aspects, Teaching-Learning & Evaluation, Research/Innovation/Extension, Infrastructure & Learning Resources, Student Support & Progression, and Governance/Leadership/Management.

Overall, Curricular Aspects and Teaching-Learning processes are strong across established departments, supported by well-maintained course files, mentor-mentee schemes and CO-PO-PSO mapping. Analysis across all criteria indicates that Research, Innovation & Extension (Criterion 3) and Governance and Faculty Financial Support (Criterion 6) represent the areas requiring the most significant improvement. .

Department-wise Detailed Findings

1. Department of Computer Science and Engineering (CSE)

Strengths / Well-Maintained Areas

- Curriculum, syllabus, BoS and PEO/PO/PSO/CO processes fully documented.
- Course files with CO–PO mapping, mentor-mentee scheme and 360° faculty feedback well maintained.
- Internship, NPTEL and Value Added Course records maintained.
- Funded projects and one patent (Dr. Selvi) verified for 2025-26.
- Lab facilities, budget utilisation and stock registers 95–100% complete.

Gaps & Suggestions for Immediate Action

- Records pertaining to the outcome of projects like “Real world problem solving , application of practical skills in emerging technologies such as AI,IOT may be maintained.
- Adequate documentary evidence for books/chapters, consultancy projects, and functional MoUs to be maintained.

Recommendations

- Maintain comprehensive documentation of project outcomes.
- Set annual faculty-wise targets for book chapters, consultancy engagements and MoU formalisation.

2. Department of Mechanical Engineering

Strengths / Well-Maintained Areas

- Curriculum, BoS, PEO/PO/PSO/CO and project/internship records maintained at 90–100%.
- One ANRF-funded and one CMRG-funded project secured; two patents filed.
- Innovative teaching (flipped classroom, gamification) and course files fully documented.
- Lab facilities, licensed software (ANSYS, CATIA) and sign boards well maintained (100%).
- Three active MoUs; publications and faculty h-index records complete.

Gaps & Suggestions for Immediate Action

- Books/chapters not published; no consultancy projects during the audit period.
- Mentor group sizes too large — recommend splitting single-mentor allotment.

Recommendations

- Encourage faculty to pursue book chapters and consultancy assignments; set annual targets.
- Split mentee groups among multiple faculty for closer monitoring.

3. Department of Electrical and Electronics Engineering (EEE)

Strengths / Well-Maintained Areas

- Curriculum, BoS, PEO/PO/PSO/CO, course files and mentor-mentee records at 100%.
- Publications and faculty-wise h-index records fully maintained.
- Classroom, lab and ICT infrastructure records 100% complete.

Gaps & Suggestions for Immediate Action

- No funded projects, books/chapters, patents, consultancy projects or functional MoUs recorded.
- Industry-linked projects only 60% complete; outcome-of-project records need improvement.
- 360° faculty feedback only 50% complete; CO & PO attainment file not maintained separately.
- No financial support extended to faculty for conferences/workshops/memberships.

Recommendations

- Set faculty-wise annual research targets.
- Formalise industry linkages and document project outcomes each semester.
- Complete the 360° feedback cycle for all faculty; maintain a standalone CO/PO attainment file.

4. Department of CSE (Cyber Security) — Newly Started Branch (AY 2025-26)

Strengths / Well-Maintained Areas

- Curriculum/syllabus and Board of Studies documentation verified at 100%.
- FDP/MDP participation certificates fully documented (100%).
- Articulation matrix verified in the cyber-security syllabus.

Gaps & Suggestions for Immediate Action

- Being a newly started branch, most Criterion 1, 3, 4 and 5 items are Not Applicable / not yet initiated (projects, internships, NPTEL, funded research, publications, MoUs, placements).
- No permanent academic block/labs allotted; classes and first-year labs run temporarily in the CSE department.
- PEO/PSO/CO formulation-meeting proof and CO-PO-PSO mapping approval pending.

Recommendations

- Conduct and document the PEO/PSO/CO formulation meeting; obtain BoS approval for CO-PO-PSO mapping.

5. Department of Electronics and Communication Engineering (ECE)

Strengths / Well-Maintained Areas

- Curriculum, BoS, PEO/PO/PSO, course files and Value Added Courses well documented (90–100%).
- Faculty file, qualification/experience certificates and mentor-mapping lists maintained.
- CO-PO-PSO mapping, articulation matrix and CO/PO attainment at 100%.

Gaps & Suggestions for Immediate Action

- Industry-linked projects need to be enhanced.
- Internship funding support from Government stopped from 2025 onwards — needs alternative funding source.

Recommendations

- Consider expanding industry-linked project opportunities by strengthening MoUs, encouraging joint research/consultancy initiatives, and integrating industry inputs into project-based learning.
- Identify an alternative funding source (institutional/industry-sponsored) for student internships.

6. Department of Science and Humanities (S&H)

Strengths / Well-Maintained Areas

- Curriculum/BoS, course files, mentor-mentee scheme, faculty files and 360° feedback fully maintained.
- Publications, books/chapters and faculty h-index records complete .
- Classroom, lab, ICT and other infrastructure fully documented .
- Skill-enhancement programs conducted and recorded.

Gaps & Suggestions for Immediate Action

- No funded projects, patents, consultancy projects or functional MoUs recorded.

Recommendations

- Encourage faculty to pursue small funded/interdisciplinary research projects and MoUs.

All Heads of Departments are requested to prepare and submit the Action Taken Report (ATR), addressing each observation and recommendation listed under their department.


IQAC COORDINATOR


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