

**Government College of Technology, Coimbatore – 641 013**  
(An Autonomous Institution affiliated to Anna University, NAAC accredited with A Grade)  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
Minutes of External Peer Review Meeting  
Date: 30.11.2024

The External Peer Review meeting for Internal Quality Assurance Cell (IQAC) was held on 30.11.2024, at 2.30 PM in Conference Hall. The IQAC has constituted an external peer review team with the following external and internal members to assess the performance of the college.

**External Members**

1. Dr. J. Premalatha  
Professor of Civil Engineering  
Kumaraguru College of Technology  
Coimbatore.
2. Dr. S. Vincent Sam Jebadurai  
IQAC Co-coordinator  
Karunya Institute of Technology and Sciences  
Coimbatore.

**Internal Members**

| S. No. | Name                     | Member Category                                    |
|--------|--------------------------|----------------------------------------------------|
| 1      | Dr. K. Manomani          | Convenor                                           |
| 2      | Dr. R. Thenmozhi         | IQAC Co-ordinator & HoD/Civil/PG- Struct & Geotech |
| 3      | Dr. S. Maragatham        | External - Academics                               |
| 4      | Er. T. Ragavendra        | External - Alumnus                                 |
| 5      | Er. B. Kamaraj           | External - Industry                                |
| 6      | Dr. V. Gopala Krishnan   | HoD/UG&PG - EEE                                    |
| 7      | Dr. J. Jeyanthi          | HoD/PG-Env & IBT                                   |
| 8      | Dr. K. Ramesh            | HoD/Mech & PG-Thermal                              |
| 9      | Dr. N. Nandhakumar       | Team Head & HoD/PG-ED                              |
| 10     | Dr. T. Sekar             | HoD / PG-ME & Team Head IQAC                       |
| 11     | Dr. C. Santhi            | HoD/UG-ECE                                         |
| 12     | Dr. M. Shanthi           | HoD/PG-ECE                                         |
| 13     | Dr. S. Rathi             | HoD/CSE&IT & Team Head IQAC                        |
| 14     | Dr. S. Srinivasa Moorthy | HoD/Prod'n                                         |
| 15     | Dr. E. Latha Mercy       | HoD/EIE                                            |

|    |                                |                     |
|----|--------------------------------|---------------------|
| 16 | Prof.R. Rajendiran             | HoD/Maths           |
| 17 | Prof. G. Ravindra Devi Revathy | HoD/Physics         |
| 18 | Dr.C.Sivasankari               | HoD/Chemistry       |
| 19 | Dr.J.AnbazhaganVijay           | HoD/English         |
| 20 | Dr.R.Rajeswari                 | Team Head- IQAC     |
| 21 | Dr.S.P.Jeyapriya               | Team Head- IQAC     |
| 22 | Dr.O.Saraniya                  | Team Head- IQAC     |
| 23 | Dr. N. Narmadhai               | Team Head- IQAC     |
| 24 | Dr.M. Rama                     | IQAC Co-Coordinator |

Principal welcomed the external review members and Internal IQAC members and pointed out about the benchmarks that have been formulated for the enhancement of quality of the institution. The IQAC Coordinator mentioned about the following quality enhancement strategies the college has devised for the enhancement of quality of the institution.

- I. Curricular aspects
- II. Academic Performance
- III. Research and Innovation
- IV. Student Support and Progression
- V. Infrastructure facilities
- VI. Institutional values and best practices

| <b>I CURRICULAR ASPECTS:</b> |                                                                                        |                  |             |                     |             |
|------------------------------|----------------------------------------------------------------------------------------|------------------|-------------|---------------------|-------------|
|                              | <b>Description</b>                                                                     | <b>Very good</b> | <b>Good</b> | <b>Satisfactory</b> | <b>Poor</b> |
| 1                            | Quality of vision and mission statements                                               | ✓                |             |                     |             |
| 2                            | Implementation of choice-based credit system (CBCS)                                    | ✓                |             |                     |             |
| 3                            | Adequacy of courses having focus on employability/ entrepreneurship/ skill development |                  | ✓           |                     |             |
| 4                            | Evidence of procedures for framing POs, PSOs and their adequacy                        | ✓                |             |                     |             |
| 5                            | Evidence for framing of COs and their attainment against set targets                   | ✓                |             |                     |             |
| 6                            | Evidence for structured feedback system                                                |                  | ✓           |                     |             |
| 7                            | Evidence for NBA Accreditation of UG/PG programs                                       |                  | ✓           |                     |             |
| 8                            | Quality of UT and SEE question papers                                                  | ✓                |             |                     |             |
| 9                            | Preparation and adherence to                                                           |                  | ✓           |                     |             |



|     |                                                    |                                                           |                          |                        |          |           |      |              |      |
|-----|----------------------------------------------------|-----------------------------------------------------------|--------------------------|------------------------|----------|-----------|------|--------------|------|
|     | Academic Calendar by the institution               |                                                           |                          |                        |          |           |      |              |      |
| 10  | Implementation of examination reforms              | ✓                                                         |                          |                        |          |           |      |              |      |
|     |                                                    |                                                           |                          |                        |          |           |      |              |      |
| II  | ACADEMIC PERFORMANCE                               |                                                           |                          |                        |          |           |      |              |      |
|     | Pass percentage of graduating students for 2023-24 | Rating<br>(Mention Very good, Good, Satisfactory or Poor) |                          |                        |          |           |      |              |      |
|     | Name of the Department                             | No. of students Enrolled                                  | No. of students Passed   | Target                 | Attained | Rating    |      |              |      |
| 1   | Civil Engineering                                  | 122                                                       | 100                      | 90                     | 82       | Good      |      |              |      |
| 2   | Mechanical Engineering                             | 134                                                       | 115                      | 90                     | 85       | Good      |      |              |      |
| 3   | Electrical & Electronics Engg.                     | 65                                                        | 61                       | 90                     | 94       | Very good |      |              |      |
| 4   | Electronics & Communication Engg.                  | 66                                                        | 59                       | 90                     | 89       | Good      |      |              |      |
| 5   | Production Engineering                             | 61                                                        | 56                       | 90                     | 91       | Very good |      |              |      |
| 6   | Electronics & Instrumentation Engg.                | 60                                                        | 57                       | 90                     | 95       | Very good |      |              |      |
| 7   | Computer Science & Engineering                     | 62                                                        | 59                       | 90                     | 95       | Very good |      |              |      |
| 8   | Information Technology                             | 60                                                        | 54                       | 90                     | 90       | Very good |      |              |      |
| 9   | Industrial Biotechnology                           | 65                                                        | 61                       | 90                     | 94       | Very good |      |              |      |
|     | PG Programmes                                      |                                                           |                          |                        |          |           |      |              |      |
| 10  | Structural Engineering                             | 14                                                        | 13                       | 95                     | 93       | Very good |      |              |      |
| 11  | Environmental Engineering                          | 15                                                        | 15                       | 95                     | 100      | Very good |      |              |      |
| 12  | Geotechnical Engineering                           | 13                                                        | 12                       | 95                     | 92       | Very good |      |              |      |
| 13  | Engineering Design                                 | 11                                                        | 9                        | 95                     | 82       | Good      |      |              |      |
| 14  | Manufacturing Engineering                          | 9                                                         | 8                        | 95                     | 89       | Good      |      |              |      |
| 15  | Thermal Engineering                                | 5                                                         | 5                        | 95                     | 100      | Very good |      |              |      |
| 16  | Power Systems Engineering                          | 9                                                         | 9                        | 95                     | 100      | Very good |      |              |      |
| 17  | Power electronics and Drives                       | 7                                                         | 7                        | 95                     | 100      | Very good |      |              |      |
| 18  | Applied Electronics                                | 8                                                         | 8                        | 95                     | 100      | Very good |      |              |      |
| 19  | VLSI Design                                        | 9                                                         | 9                        | 95                     | 100      | Very good |      |              |      |
| 20  | Computer Science & Engineering                     | 7                                                         | 7                        | 95                     | 100      | Very good |      |              |      |
|     |                                                    |                                                           |                          |                        |          |           |      |              |      |
| III | RESEARCH & INNOVATION                              |                                                           |                          |                        |          |           |      |              |      |
|     | Qualification - Percentage of faculty with Ph.D.   |                                                           |                          |                        |          |           |      |              |      |
|     | Name of the Dept                                   | Total No. of Faculty                                      | No. of Faculty with Ph.D | % of Faculty with Ph.D |          | Very good | Good | Satisfactory | Poor |
|     |                                                    |                                                           |                          | Target                 | Attained |           |      |              |      |
| 1   | Civil                                              | 26                                                        | 15                       | 60                     | 58       | ✓         |      |              |      |
| 2   | Mechanical                                         | 22                                                        | 12                       | 60                     | 55       | ✓         |      |              |      |
| 3   | EEE                                                | 19                                                        | 11                       | 60                     | 58       | ✓         |      |              |      |
| 4   | ECE                                                | 15                                                        | 9                        | 60                     | 60       | ✓         |      |              |      |
| 5   | EIE                                                | 11                                                        | 7                        | 60                     | 64       | ✓         |      |              |      |
| 6   | Production                                         | 13                                                        | 5                        | 60                     | 38       |           | ✓    |              |      |
| 7   | CSE                                                | 12                                                        | 5                        | 60                     | 42       |           | ✓    |              |      |
| 8   | IT                                                 | 10                                                        | 7                        | 60                     | 70       | ✓         |      |              |      |

|    |                      |    |    |    |    |   |   |  |  |
|----|----------------------|----|----|----|----|---|---|--|--|
| 9  | IBT                  | 17 | 13 | 60 | 76 | ✓ |   |  |  |
| 10 | Science & Humanities | 29 | 12 | 60 | 41 |   | ✓ |  |  |

**Academic Research - % of faculty having high quality publications :**

| Sl. No. | Name of the Dept     | Total No. of Faculty | No. of High quality publications | Very good | Good | Satisfactory | Poor |
|---------|----------------------|----------------------|----------------------------------|-----------|------|--------------|------|
| 1       | Civil                | 26                   | 17                               | ✓         |      |              |      |
| 2       | Mechanical           | 22                   | 25                               | ✓         |      |              |      |
| 3       | EEE                  | 19                   | 17                               | ✓         |      |              |      |
| 4       | ECE                  | 15                   | 14                               | ✓         |      |              |      |
| 5       | EIE                  | 11                   | 4                                |           | ✓    |              |      |
| 6       | Production           | 13                   | 3                                |           | ✓    |              |      |
| 7       | CSE                  | 12                   | 5                                |           | ✓    |              |      |
| 8       | IT                   | 10                   | 2                                |           | ✓    |              |      |
| 9       | IBT                  | 17                   | 18                               | ✓         |      |              |      |
| 10      | Science & Humanities | 29                   | 20                               | ✓         |      |              |      |

**Industry - Institute Linkage (Mention Rating )**

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | <p>Signing of MoU with Industries and Mutual benefits.</p> <p>All the departments have signed MoU with Industries.</p> <p>To list few</p> <ol style="list-style-type: none"> <li>1. M/s Pyramid Design India Pvt Limited, Coimbatore</li> <li>2. M/s .Structwell , Coimbatore</li> <li>3. M/s VI Microsystems Pvt Ltd, Chennai</li> <li>4. M/s Best Pumps (India) Private Limited, Coimbatore</li> <li>5. M/s. Yaazh xenomics, Coimbatore</li> </ol> |
| 2.  | Industry members serve on the BoS members, Academic Council members, and Department Advisory Board.                                                                                                                                                                                                                                                                                                                                                  |
| 3.  | 100% of undergraduate and 70% of postgraduate students is doing internships in industries.                                                                                                                                                                                                                                                                                                                                                           |
| 4.  | 10% of the students are doing their final year project in industries.                                                                                                                                                                                                                                                                                                                                                                                |
| 5.  | Value Added Courses are provided for students to meet the Industrial requirements through Naan Mudhalvan scheme.                                                                                                                                                                                                                                                                                                                                     |
| 6.  | MoU has been signed with MSME to organize training programs for the benefit of faculty, industrialists, and students.                                                                                                                                                                                                                                                                                                                                |
| 7.  | Senior faculty members from all departments have undertaken training programs organized by various esteemed institutions.                                                                                                                                                                                                                                                                                                                            |
| 8.  | A number of faculty members have undergone industrial training in public sector organizations.                                                                                                                                                                                                                                                                                                                                                       |
| 9.  | The Institution Innovation Council has been established to promote research, innovation, and entrepreneurial initiatives, in line with the college's commitment to advancing research reforms.                                                                                                                                                                                                                                                       |
| 10. | Hands on training and industrial visits are arranged with MoU signed industries to get practical and field exposure to the students.                                                                                                                                                                                                                                                                                                                 |
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



| IV STUDENT SUPPORT AND PROGRESSION |                                                                                                                                                                       |           |      |              |      |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|--------------|------|
| Sl. No.                            | Description                                                                                                                                                           | Very good | Good | Satisfactory | Poor |
| 1                                  | Student's participation in IIT's NIT's, Govt. Institutions and Private institutions.                                                                                  | ✓         |      |              |      |
| 2                                  | Prize achievements by students in various events                                                                                                                      |           | ✓    |              |      |
| 3                                  | Participation in Social awareness activities                                                                                                                          | ✓         |      |              |      |
| 4.                                 | Scholarships and Financial Support                                                                                                                                    |           | ✓    |              |      |
| 5                                  | Number of capability enhancement and development schemes                                                                                                              |           | ✓    |              |      |
| 6                                  | Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases                                   | ✓         |      |              |      |
| 7                                  | Student progression to higher education in percentage during the year                                                                                                 | ✓         |      |              |      |
| 8                                  | Number of awards/medals for outstanding performance in sports/cultural activities at national/international level                                                     |           | ✓    |              |      |
| 9                                  | Role of alumni in college development                                                                                                                                 | ✓         |      |              |      |
| V INFRASTRUCTURE FACILITIES        |                                                                                                                                                                       |           |      |              |      |
|                                    |                                                                                                                                                                       | Very good | Good | Satisfactory | Poor |
| 1.                                 | Adequacy of infrastructural facilities to improve the teaching learning process<br>Class rooms<br>Laboratories<br>Seminar halls<br>Faculty rooms<br>Smart class rooms | ✓         |      |              |      |
| 2.                                 | Internet facilities for faculty and students                                                                                                                          |           | ✓    |              |      |
| 3.                                 | Computing facilities                                                                                                                                                  |           | ✓    |              |      |
| 4.                                 | Library resources                                                                                                                                                     | ✓         |      |              |      |
| 5.                                 | Common facilities(Bank with ATM, Reprographic facilities, hostels, canteen etc)                                                                                       | ✓         |      |              |      |
|                                    |                                                                                                                                                                       |           |      |              |      |
|                                    |                                                                                                                                                                       |           |      |              |      |

| VI INSTITUTIONAL VALUES AND BEST PRACTICES |                                                                             |           |      |              |      |
|--------------------------------------------|-----------------------------------------------------------------------------|-----------|------|--------------|------|
|                                            | Description                                                                 | Very good | Good | Satisfactory | Poor |
| 1                                          | Environmental Consciousness and Sustainability/Alternate Energy initiatives | ✓         |      |              |      |
| 2.                                         | Activities conducted for promotion of universal Values and Ethics           |           | ✓    |              |      |
| 3.                                         | Adequacy of having best practices                                           |           | ✓    |              |      |
| VII GOVERNANCE, LEADERSHIP AND MANAGEMENT  |                                                                             |           |      |              |      |
|                                            | Description                                                                 | Very good | Good | Satisfactory | Poor |
| 1.                                         | Teaching and nonteaching staff attended training programs                   | ✓         |      |              |      |
| 2.                                         | Adherence to Quality policies                                               |           | ✓    |              |      |
| 3.                                         | Various administrative committees/cells/clubs and its duties                | ✓         |      |              |      |
| 4.                                         | Financial support for staff training                                        | ✓         |      |              |      |
| 5.                                         | Benefits to Teaching and nonteaching staff                                  |           | ✓    |              |      |
| 6.                                         | Safety measures in the college                                              | ✓         |      |              |      |

The Internal Quality Assurance Cell (IQAC) has made significant contributions towards institutionalizing quality assurance strategies and processes. The committee regularly reviews the teaching and learning processes, structures, operational methodologies, and learning outcomes through the IQAC, which has been established in accordance with the prescribed norms. The committee commended the well-maintained academic records and course files, the available infrastructure facilities, and the active involvement of students in various extracurricular and co-curricular activities. Additionally, the committee acknowledged the initiatives taken towards the adoption of best practices within the institution. Furthermore, the committee expressed appreciation for the effective functioning of various cells, such as the Entrepreneurship Development Cell (EDC), the Women Empowerment Cell, and the Industry-Institute collaboration activities.

#### Suggestions for improvement:

- Create awareness among faculty and students about the significance of Outcome-Based Education (OBE).
- Develop a strategic plan to guide the planning and implementation of quality improvement initiatives.
- Strengthen efforts to attract core companies and improve placement opportunities.



- Accelerate faculty recruitment and promotion processes to enhance academic and administrative efficiency.
- Promote entrepreneurship through the establishment of incubation centres and start up support programmes.
- Conduct structured training programs in collaboration with professional training agencies.
- Adopt e-governance solutions to streamline administrative and academic operations.

**External Auditor 2**

Dr. S. Vincent Sam Jebadurai  
IQAC Co-coordinator  
Karunya Institute of Technology and Sciences  
Coimbatore

**External Auditor 1**

Dr. J. Premalatha  
Professor of Civil Engineering  
Kumaraguru College of Technology  
Coimbatore

**IQAC Coordinator**

Dr. R. Thenmozhi  
Professor of Civil Engg  
GCT, Coimbatore

**Chairman**

Dr. K. Manonmani  
Principal  
GCT, Coimbatore