

Government College of Engineering, Salem- 11

(An Autonomous Institution affiliated to Anna University, Chennai)



SELF-STUDY REPORT



CRITERION 3

3.1.1 The institution's research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented

(Submitted to National Assessment and Accreditation Council)

Self Declaration

This is to certify that the supporting documents for this metric exceed the 5MB upload limit. Therefore, links to sample documents and some samples are provided in the following pages. Any/all Supporting documents will be provided, if required. All links, documents and images are verified and authenticated.



IQAC – Chairperson

**Internal Quality Assurance Cell
Govt. College of Engineering
Salem - 636 011.**



Research and Development Cell
Government College of Engineering, Salem – 636 011
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Ph: 0427-2346102/57, E-mail: gcesalem.edu@gmail.com

Date: 08.10.2018

Research Advisory Committee

Beginning with the academic year 2018-2019, the Research Advisory Committee is constituted of the following members given below, as per the directives issued by the Head of the Institution. This initiative is part of the Government College of Engineering's commitment to fostering a strong research environment within its growing academic framework. The institution is dedicated to upholding the highest standards of research integrity and ethics, to contribute significantly to the academic and scientific community. This committee formation marks a pivotal step towards enhancing research capabilities and ensuring ethical compliance in all scholarly activities.

Research Advisory Committee Constitution:

S.No.	Name of the Faculty	Role
1.	Dr. G. Vimala Rosaline, Principal.	Chairman
2.	Dr. S. Ganesan, Associate Professor (CAS), Department of Electrical and Electronics Engineering.	Coordinator
3.	Dr. A.M. Kalpana, Head of the Department, Department of Computer Science and Engineering. & TEQIP Coordinator.	Advisory Member
4.	Dr. T. Balusamy, Assistant Professor, Department of Mechanical Engineering.	Advisory Member
5.	Dr. M. Dhinakaran, Associate Professor (CAS), Department of Electronics and Communication Engineering.	Advisory Member
6.	Dr. K. Sudha Assistant Professor, Department of Civil Engineering.	Advisory Member
7.	Dr. K. Venkatesan, Assistant Professor, Department of Metallurgical Engineering.	Advisory Member
8.	Prof. D. Manibharathi, Assistant Professor, Department of Electronics and Communication Engineering	IPR SPOC


Principal

PRINCIPAL
GOVT. COLLEGE OF ENGG
SALEM-636 011



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Date: 08.10.2018

Circular

It is informed that a meeting has been planned on 10.10.2018 among the members of the Research Advisory Committee. All the members of the committee kindly make yourself available.

Agenda:

1. Discussion on PhD registration of young faculties.
2. Discussion on support needed to carry out research and real time projects.


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Date: 11-10-2018

The R & D Cell meeting was held on 10-10-2018 at Research and Development Cell.

Agenda:

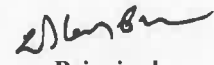
- Formulation of Research Policy.
- Discussion on PhD registration of young faculties.
- Discussion on support needed to carry out research and real time projects.

The following members were present,

S.No	Name of the Faculty	Role
1.	Dr. G. Vimala Rosaline, Principal.	Chairman
2.	Dr. S. Ganesan, Associate Professor (CAS), Department of Electrical and Electronics Engineering.	Coordinator
3.	Dr. A.M. Kalpana, Head of the Department, Department of Computer Science and Engineering. & TEQIP Coordinator.	Advisory Member
4.	Dr. T. Balusamy, Assistant Professor, Department of Mechanical Engineering.	Advisory Member
5.	Dr. M. Dhinakaran, Associate Professor (CAS), Department of Electronics and Communication Engineering.	Advisory Member
6.	Dr. K. Sudha Assistant Professor, Department of Civil Engineering.	Advisory Member
7.	Dr. K. Venkatesan, Assistant Professor, Department of Metallurgical Engineering.	Advisory Member
8.	Prof. D.Manibharathi, Assistant Professor, Department of Electronics and Communication Engineering	IPR Coordinator

Minutes of Meeting:

- ✚ Research Policies were framed.
- ✚ Research-involved faculty strongly asked to participate in beneficial FDPs, offered via NPTEL or offline and expenses can be covered by TEQIP.
- ✚ Faculty members who joined the institute in the previous year and do not register for a Ph.D. degree are asked to enroll in a Ph.D. program. So far, 43 faculty members completed their Ph.D. degree.
- ✚ It is asked to notify R&D Cell for equipment/software needs for real-time projects by researchers, PG, and UG students. TEQIP funds may support feasible requirements.


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Date: 11.10.2018

Research Policy

Aim:

The principal objective of the Research Policy at the Government College of Engineering is to cultivate an environment characterized by research excellence and innovation, thereby fostering a setting where academic inquiry, knowledge creation, and ethical research practices are actively encouraged and supported among all institutional members.

Goal:

- Support faculty members, both Ph.D. enrolled and non-enrolled, in pursuing rigorous research activities, aiming to create a thriving academic environment.
- Provide comprehensive resources, mentorship, and academic network access to both full-time and part-time Ph.D. scholars, enabling significant contributions to their fields.
- Leverage diverse expertise within the institution to initiate interdisciplinary research efforts, addressing complex challenges through innovative solutions.
- Maintain the highest standards of integrity and responsibility in research, ensuring all activities are conducted ethically and in compliance with relevant guidelines.
- Aiming for publication in high-impact journals and presentations at esteemed conferences.
- To provide every possible financial support and Laboratory Support for research activities.
- Offer access to advanced laboratories, databases, and technological tools, supporting state-of-the-art research and innovation.

Promotion of Research:

The Government College of Engineering actively cultivates a research-driven culture through its dedicated Research Advisory Committee and Intellectual Patent Rights (IPR) Single Point of Contact (SPOC).

Research Advisory Committee: Comprises professors with significant research experience and Ph.D. qualifications. Provides guidance and support for the institution's research endeavors.

Intellectual Property Rights (IPR) SPOC: IPR Cell is an integral part of Institute's R&D Cell. It creates awareness among the Faculties, Research Scholars, and Students about importance of Intellectual Property Rights.


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Date: 03-01-2022

Circular

It is informed that a meeting has been planned for 05-01-2022 among the members of the Research Advisory Committee. All the members of the committee kindly make yourself available.

Agenda:

- Discussion on Research policy, and Constitution of committee.
- Discussion on progression in Ph.D. Completion.

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Date: 06-01-2022

Research Policy

Aim:

The principal objective of the Research Policy at the Government College of Engineering is to cultivate an environment characterized by research excellence and innovation, thereby fostering a setting where academic inquiry, knowledge creation, and ethical research practices are actively encouraged and supported among all institutional members.

Goal:

- **Encourage Academic Inquiry and Research Engagement:** Support faculty members, both Ph.D. enrolled and non-enrolled, in pursuing rigorous research activities, aiming to create a thriving academic environment.
- **Support Ph.D. Scholars:** Provide comprehensive resources, mentorship, and academic network access to both full-time and part-time Ph.D. scholars, enabling significant contributions to their fields.
- **Empower M.E. and B.E. Students:** Enable Master of Engineering and Bachelor of Engineering students to engage in research projects, fostering critical thinking, problem-solving skills, and deep subject understanding.
- **Promote Interdisciplinary Collaboration:** Leverage diverse expertise within the institution to initiate interdisciplinary research efforts, addressing complex challenges through innovative solutions.
- **Uphold Research Ethics:** Maintain the highest standards of integrity and responsibility in research, ensuring all activities are conducted ethically and in compliance with relevant guidelines.
- **Enhance Research Visibility and Impact:** Aiming for publication in high-impact journals and presentations at esteemed conferences.
- **Secure Funding and Resources:** To provide every possible financial support and Laboratory Support for research activities.
- **Develop Supportive Research Infrastructure:** Offer access to advanced laboratories, databases, and technological tools, supporting state-of-the-art research and innovation.

Promotion of Research:

The Government College of Engineering actively cultivates a research-driven culture through its dedicated Research Advisory and Ethics Committee, Student Research Council and Intellectual Patent Rights (IPR) Single Point of Contact (SPOC).



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Research Advisory and Ethics Committee: Comprises professors with significant research experience and Ph.D. qualifications. Provides guidance and support for the institution's research endeavors.

Student Research Council: Encourages undergraduate and postgraduate students to engage in real-time projects. Aims to enhance students' research and technical skills. Ensures that the committee's support and resources are available to every student in the college.

Intellectual Property Rights (IPR) SPOC: IPR Cell is an integral part of Institute's R&D Cell. It creates awareness among the Faculties, Research Scholars, and Students about importance of Intellectual Property Rights.



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Date: 06-01-2022

The R & D Cell meeting was held on 05-01-2022 at Research and Development Cell.

Agenda:

- Discussion on Research policy, and Constitution of committee.
- Discussion on progression in Ph.D. Completion.

The following members were present,

S.No.	Name of the Faculty	Role
1.	DR. C. Vasanthanayaki, Principal.	Chairman
2.	Dr. S. Ganesan, Associate Professor (CAS), Department of Electrical and Electronics Engineering.	Coordinator
3.	Dr. A.M. Kalpana, Head of the Department, Department of Computer Science and Engineering. & TEQIP Coordinator.	Advisory Member
4.	Dr. T. Balusamy, Assistant Professor, Department of Mechanical Engineering.	Advisory Member
5.	Dr. M. Dhinakaran, Associate Professor (CAS), Department of Electronics and Communication Engineering.	Advisory Member
6.	Dr. K. Sudha Assistant Professor, Department of Civil Engineering.	Advisory Member
7.	Dr. K. Venkatesan, Assistant Professor, Department of Metallurgical Engineering.	Advisory Member
8.	Prof. D. Manibharathi, Assistant Professor, Department of Electronics and Communication Engineering	IPR Coordinator

Minutes of Meeting:

- ✦ The meeting commenced with the discussion on the research policy and constitution of research advisory committee. It is concluded that in policy points related to ethics and student research council have to be added; In constitution only chairman name is modified, and committee is renamed as Research advisory and ethics committee.
- ✦ It is hereby notified that from 2018, a total of **14 faculty members** have completed their PhDs in last four years. Strong encouragement and support must be given to ramp up the progress.

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Date: 06.01.2022

Research Advisory and Ethics Committee

Starting from the academic year 2022-2023, the Research Advisory and Ethics Committee will be made up of the following members, following instructions from the Head of the Institution. This step is part of the effort to build a strong research culture within its expanding academic structure. The college is committed to maintaining the highest ethical standards in research, aiming to make a meaningful contribution to academia and science. The establishment of this committee is a key move in improving research skills and ensuring all research work follows ethical guidelines.

Research Advisory and Ethics Committee Constitution:

S.No.	Name of the Faculty	Role
1.	Dr. R. Malayalamurthi, Principal.	Chairman
2.	Dr. S. Ganesan, Associate Professor (CAS), Department of Electrical and Electronics Engineering.	Coordinator
3.	Dr. A.M. Kalpana, Head of the Department, Department of Computer Science and Engineering & Department of Electronics and Communication Engineering	Advisory Member
4.	Dr. T. Balusamy, Head of the Department, Department of Mechanical Engineering.	Advisory Member
5.	Dr. M. Dhinakaran, Associate Professor, Department of Electronics and Communication Engineering.	Advisory Member
6.	Dr. K. Sudha, Professor (CAS), Department of Civil Engineering.	Advisory Member
7.	Dr. K. Venkatesan, Associate Professor, Department of Metallurgical Engineering	Advisory Member
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Date: 20-12-2022

Circular

It is informed that a meeting has been planned for 22-12-2022 among the members of the Research Advisory and Ethics Committee and student research council. All the members of the committee kindly make yourself available.

Agenda:

1. Discussion on progression in Ph.D. Completion.
2. Discussion on other research related activities.


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Date: 23-12-2022

The R & D Cell meeting was held on 22-12-2022 at Research and Development Cell.

Agenda:

- Discussion on progression in Ph.D. Completion.
- Discussion on other research related activities.

The following members were present,

S.No.	Name of the Faculty	Role
1.	DR. C. Vasanthanayaki, Principal.	Chairman
2.	Dr. S. Ganesan, Associate Professor (CAS), Department of Electrical and Electronics Engineering.	Coordinator
3.	Dr. A.M. Kalpana, Head of the Department, Department of Computer Science and Engineering. & TEQIP Coordinator.	Advisory Member
4.	Dr. T. Balusamy, Assistant Professor, Department of Mechanical Engineering.	Advisory Member
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6.	Dr. K. Sudha Assistant Professor, Department of Civil Engineering.	Advisory Member
7.	Dr. K. Venkatesan, Assistant Professor, Department of Metallurgical Engineering.	Advisory Member
8.	Prof. D. Manibharathi, Assistant Professor, Department of Electronics and Communication Engineering	IPR SPOC

Minutes of Meeting:

- ✦ It is hereby notified that in the year 2022, a total of **5 new faculty members**, in total 19 faculty members from 2018 have completed their PhDs, indicating a significant increase in the completion of the PhD program.
- ✦ Faculty members are strongly encouraged to submit proposals for innovative funding projects and to pursue patent filings.


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