

Government College of Engineering, Salem- 11

(An Autonomous Institution affiliated to Anna University, Chennai)



SELF-STUDY REPORT



CRITERION 6

6.5.1 Internal Quality Assurance Cell (IQAC)/ Internal Quality Assurance System (IQAS) has contributed significantly for institutionalizing the quality assurance strategies and processes, by constantly reviewing the teaching-learning process, structures & methodologies of operations and learning outcomes, at periodic intervals

(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.**

6.5.1 Internal Quality Assurance Cell (IQAC)/ Internal Quality Assurance System (IQAS) has contributed significantly for institutionalizing the quality assurance strategies and processes, by constantly reviewing the teaching-learning process, structures & methodologies of operations and learning outcomes, at periodic intervals.

Supporting Document

6.5.1/ Link 1


PRINCIPAL
GOVT. COLLEGE OF ENGG.,
SALEM-636 011

Sample/Reference for Minutes of the Fourth meeting of the Academic Council:

Extracts from minutes of the Fourth meeting of the Academic Council

The Academic Council resolved to approve the 2018 regulations for U.G (Full Time) and PG (Full Time & Part Time) Programmes as given in **ANNEXURE I.**

Item no 1.2: Dr. G.Vimala Rosaline, Principal & Chairman of the Academic Council recommended and Dr. S.Prakash, Controller of Examinations moved the Rules of Examinations for UG (Full Time) and PG (Full Time & Part Time) Programmes for 2018 regulations.

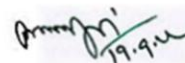
The Academic Council resolved to approve the rules of examinations for U.G (Full Time) and PG (Full Time & Part Time) Programmes under 2018 regulations as given in **ANNEXURE II.**

Sample/Reference for Minutes of the Fifth meeting of the Academic Council:

Extracts from minutes of the Fifth meeting of the Academic Council

ITEM NO. 4: RATIFY AN AMENDMENT, THE CHANGES MADE IN THE 2018 REGULATIONS UG&PG(FT) AND IN THE 2016 REGULATIONS UG(PT) – INTRODUCING UNIFORM EVALUATION (RELATIVE GRADING) FOR ALL THE UG/PG – FT/PT STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2021 – 2022 AND ONWARDS AS PER ANNA UNIVERSITY, CHENNAI LR.NO. : 4041/AU/CAC/REL.GRADING DATED : 25.06.2022.

Dr.R.Malayalamurthi, Principal & Chairman of the Academic Council recommended and Dr.K.Sudha, Controller of Examinations moved the amendment, the changes made in the 2018 Regulations UG & PG (FT) and in the 2016 Regulations UG (PT) – introducing Uniform Evaluation (Relative Grading) for all the UG/PG – FT/PT students admitted during the academic year 2021 – 2022 and onwards as per Anna University, Chennai LR.NO. : 4041/AU/CAC/Rel. Grading dated : 25.06.2022.



Page 4 of 20

The Academic Council resolved to approve a the changes made in the 2018 Regulations UG & PG (FT) and in the 2016 Regulations UG (PT) – introducing Uniform Evaluation (Relative Grading) for all the UG/PG – FT/PT students admitted during the academic year 2021 – 2022 and onwards as per Anna University, Chennai LR.NO. : 4041/AU/CAC/Rel. Grading dated : 25.06.2022 as given in Annexure IV.

Sample/Reference for CO-PO Mapping of a course:

Course Articulation Matrix - 18 Regulation

Department of Civil Engineering

Semester - III																
18ES205 - Mechanics of Solids																
Course Outcomes		Program Outcomes												Program Specific Outcomes		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
1	Determine the resultant forces and moment for the given system	3	3	2	3	3	1	3	2	1	2	2	2	2	3	0
2	Analyse planar and spatial systems of forces and determine the centroid and moment of inertias.	3	3	3	3	3	1	3	2	1	2	0	2	3	3	0
3	Thorough understanding of fundamental concepts of stress and strain in mechanics of solids and structures	3	3	3	3	1	2	3	2	0	3	0	3	2	2	0
4	The ability to analyse the beams to determine shear force and bending moments	3	3	3	3	3	2	3	1	2	3	0	2	3	3	0
5	Sufficient knowledge in design shafts to transmit required power and springs for its maximum energy	3	3	3	3	2	1	2	2	2	2	0	3	3	3	0
Average		3.0	3.0	2.8	3.0	2.4	1.4	2.8	1.8	1.2	2.4	0.4	2.4	2.6	2.8	0.0

M.E. - Computer Aided Design

Semester - I																
18CDC11 - Concepts of Engineering Design																
Course Outcomes		Program Outcomes												Program Specific Outcomes		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	Apply design principles for Quality Products to create economically viable products.	2	2	1	3	1	0	0	0	2	0	1	0	3	3	1
CO2	Identify the materials and integrate the manufacturing processes with Engineering Design	2	3	2	2	3	0	0	0	0	0	1	0	3	2	3
CO3	Synthesize the principles of design for machinability, accessibility and assembly with greater concern towards environmental issues.	2	1	1	2	2	1	0	0	0	0	1	0	0	1	0
CO4	To compute reliability engineering parameters and estimates for applications in mechanical devices and manufacturing environments.	1	1	1	1	2	0	0	0	1	0	1	0	0	0	1
Average		1.8	1.8	1.3	2.0	2.0	0.3	0.0	0.0	0.8	0.0	1.0	0.0	1.5	1.5	1.3

Sample/Reference for Establishment of IQAC office:

Constitution of IQAC 2018-2019



GOVERNMENT COLLEGE OF ENGINEERING, SALEM -11.

(An Autonomous Institution Affiliated to Ann University, Chennai)

Constitution of Internal Quality Assurance Cell (IQAC) 2018-19

S.No	Name and Address	Designation
1.	Dr.G.Vimala Rosaline, Principal, Government College of Engineering Salem.	Chairman, IQAC
2.	Dr.R.Vijayan, Vice Principal, Professor & Head, Department of Mechanical Engineering	Senior Administrative Officer
3.	Dr.C.Vasanthanayaki, Professor & Head, Department of ECE	Coordinator , IQAC
4.	Dr.V.Geetha, Professor & Head, Department of EEE	Member
5.	Prof.P.Sundararaj, Associate Professor & Head, Department of Metallurgy	Member
6.	Dr.R.Vimala, Associate Professor & Head, Department of Physics	Member
7.	Dr.D.Shoba Rajkumar, Associate Professor & Head, Department of Civil Engineering	Member
8.	Dr.A.M.Kalpana, Assistant Professor & Head, Department of CSE	Member
9.	Shri.B.Sathyamurthy, Associate Vice President – Iron Making, Jindal South West Holding, Salem.	Industry Nominee
10.	Shri.S.Sudhakar, Managing Director, Turbo Engineers, Coimbatore	Industry Nominee and Alumni
11.	Mr.S.Ranjithkumar, II M.E.(Structural Engineering), Department of Civil Engineering	Student Nominee
12.	Mr. Darryl Emmanuel Leo, Final Year, B.E, Department of Mechanical Engineering	Student Nominee
13.	Ms .M.Sugavaneshwari, Third Year, B.E Department of ECE	Student Nominee


PRINCIPAL
GOVT. COLLEGE OF ENGG
SALEM-636 011

Sample/Reference for Quality substance initiatives:

Conduct of regular IQAC minutes



GOVERNMENT COLLEGE OF ENGINEERING, SALEM -11.
(An Autonomous Institution affiliated to Ann University, Chennai)

Internal Quality Assurance Cell (IQAC)

Date : 06.10.2018

Minutes of Review meeting on External Audit report

Date of meeting: 06-10-2018 ,10.30 AM

Venue: ECE Seminar Hall

Agenda:

- To formulate IQAC committee and nominate members as per norms of NACC
- To review the comments given in the External audit report

The Principal convened the meeting with all the Head of the departments.

1. As per the norms given by NAAC to constitute IQAC committee, Internal and External members were nominated.
2. External audit report comments were discussed and the following resolutions were made:

- Availability of 2016 Regulation Syllabus book for all programs with updated entries have been assured.
- Detailed Lesson Plan, Rubrics for evaluation of assignments, laboratory experiments and projects need to be verified by the concerned departments.
- It has been decided to take necessary steps in improving consultancy work and funded projects.
- Efforts will be made to enhance the Institute's research capacity. Faculty and Post Graduate students will be encouraged to publish more papers in high indexed Journals and conferences.
- Sustained efforts will be made to bring out innovative projects and start up ideas from the students.
- It has been assured that series test question papers will be mapped with Bloom's Taxonomy.
- Steps will be taken to strengthen the Institution's alumni network and industry interaction through signing MoUs .

Members:

1. Dr.R.Vijayan, Vice Principal, Professor & Head, Dept of Mechanical Engg.
2. Dr.C.Vasanthanayaki, Professor & Head, Dept. of ECE
3. Dr.V.Geetha, Professor & Head, Dept.of EEE
4. Prof.P.Sundararaj, Associate Professor & Head, Dept. of Metallurgy
6. Dr.D.Shoba Rajkumar, Associate Professor & Head,Dept.of Civil Engg.
7. Dr.A.M.Kalpana, Assistant Professor & Head, Dept. of CSE
8. Dr.R.Vimala, Associate Professor & Head, Physics
9. Prof.S.Leema Mary, Associate Professor & Head, Maths

[Signature]
6/10/18
PRINCIPAL

Sample/Reference for Collection of online feedback system from various stakeholders:

Stakeholder feedback policy



INTERNAL QUALITY ASSURANCE CELL
GOVERNMENT COLLEGE OF ENGINEERING, SALEM - 11
(An Autonomous Institution Affiliated to Anna University, Chennai)

STAKEHOLDER FEEDBACK POLICY

The Government College of Engineering prioritizes the delivery of high-quality education by actively engaging with various stakeholders. These essential contributors include students, faculty members, parents, alumni, and employers. The college solicits feedback from students on the teaching and learning process (i.e., planning and organisation, presentation and communication, student participation and class management/assessment of studies) is gathered once per semester. Feedback from other stakeholders (i.e., alumni, faculty, parents and employer) regarding the curriculum and infrastructure is sought at the conclusion of each academic year. Subsequently, the collected feedback is subjected to a comprehensive analysis, and appropriate actions are taken. The college maintains transparency by hosting feedback links and action reports on its official website.

FEEDBACK MECHANISM

Regularly soliciting feedback from a diverse range of stakeholders is a key element in enhancing the quality of academic and institutional operations. We elicit feedback from the following categories:

- Students
- Faculty
- Parents
- Alumni
- Employers

These feedback mechanisms are made accessible to all stakeholders. Subsequently, a dedicated committee within the Internal Quality Assurance Cell (IQAC), which comprises the Principal and Heads of Departments (HoDs), meticulously scrutinizes the collected feedback. Based on their analysis, the committee formulates recommendations for corrective actions. Any actions requiring administration's support are then duly conveyed for further consideration and implementation.

FEEDBACK LINKS

Stakeholder	Links for feedback
Students	https://forms.gle/7HnaHCn6PfmUW81A
Faculty	https://forms.gle/BbQMXWCj6fiJGYe79
Parents	https://forms.gle/tzn9yMDieLgTvnpw6
Alumni	https://forms.gle/gHEJJpxEFRiTP6327
Employers	https://forms.gle/JtiDHY8LcVw6m3hY9

Sample/Reference for Participation in NIRF Ranking:

Participation in NIRF Ranking

National Institutional Ranking Framework

Ministry of Education

Government of India

Welcome to Data Capturing System: OVERALL

Submitted Institute Data for NIRF'2024'

Institute Name: Government College of Engineering [IR-O-C-36980]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	480	480	480	480	-	-
PG [2 Year Program(s)]	108	108	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	1213	664	1877	1851	26	0	41	1836	1660	0	11	206
PG [2 Year Program(s)]	35	29	64	64	0	0	2	62	58	0	0	6

Placement & Higher Studies

UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students Intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2017-18	480	414	2018-19	91	2020-21	399	153	250000(Two Lakhs Fifty Thousand)	15
2018-19	480	448	2019-20	48	2021-22	462	348	360000(Three Lakhs Fifty Thousand)	8
2019-20	480	437	2020-21	46	2022-23	483	299	360000(Three Lakhs and sixty thousand)	13

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students Intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2019-20	108	75	2020-21	71	6	360000(Three Lakhs and Sixty Thousand)	0
2020-21	108	35	2021-22	31	6	420000(Four Lakhs Twenty Thousand)	3