

GOVERNMENT COLLEGE OF ENGINEERING, SALEM-636011

INTERNAL QUALITY ASSURANCE CELL

EXTERNAL AUDIT REPORT 2021-22

Dr.C.Dhavamani, Professor and Head,
Department of Aeronautical Engineering
Mahendra Engineering College, Namakkal

Dr. P. Suresh, Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem

Member1

Member 2

Date: 24.10.2022

Date: 24.10.2022

From:

Dr.C.Dhavamani, Professor and Head/Aeronautical
Mahendra Engineering College
Namakkal, Tamil Nadu - 637503
Dr.P.Suresh, Professor/ Mechatronics
Sona College of Technology, Salem.

To:

The Principal
Government College of Engineering
Salem.

Respected Sir,

Sub: External Audit Committee – GCE, Salem – Submission of Audit Report – reg Ref: GCE Salem/IQAC/2021-2022 /External Audit dated 30.09.2022.

With reference to the letter cited above, the external audit was carried out on 24.10.2022 to evaluate the academic performance and governance of your esteemed institution for the academic year 2021-2022. The report of the same is enclosed for your kind reference.

Thanking you

Yours faithfully

Yours faithfully

The report of the External Audit conducted on 24.10.2022 for the academic year 2021-2022 at GCE Salem-11

1. List of Documents produced by the department for audit

Attached in Annexure-1.

2. General Observations

- > State- of the art equipment is available in most of the laboratories across all programs.
- > Academic internal audit and external audit has been conducted regularly by IOAC.
- > Faculty members are encouraged to conduct national/ international conferences periodically.
- Course files as per the format is available only in ECE department. Therefore, it recommended for other departments to do the same.
- MoUs with other industries are available in Civil, CSE and ECE departments. Other departments are informed to take steps to have MoUs with industries.



INTERNAL QUALITY ASSURANCE CELL (IQAC) Government College of Engineering, Salem – 636 011

(An Autonomous Institution, Affiliated to Anna University, Chennai)
Ph: 0427-2346102/57, E-mail: iqac@gcesalem.edu.in

EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

N	Name of the Department		Mechanical Engineering
A	Address of the Institute		GCE, Salem
D	ate and time of visit	:	24.10.2022
M	embers of the Audit Committee		Signature
1.	Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	: 1	Momoroni :0.22.
2.	Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	•	68000 happy

Part - 2: Academics Information

Metric No	Description	
	Criteria 1 Curricular Aspects	باتيا
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes	
10	> Vision & Mission	
	 Programmme Educational Objectives (PEO) 	
	Program Outcomes (PO) – UG & PG	Yes
	Program Specific Outcomes (PSO) – UG & PG	
	 R2018 - Curriculum and Syllabus with CO – UG & PG 	
	R2022 - Curriculum and Syllabus with CO – UG& PG	
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 	



	> Syllabi book for 2018 and 2022 Regulations	
	> Circular and Action taken report for Department	
	level Committee, Program Advisory Committee	
	and Board of Studies Minutes	
	1.1.2 The programmes focus on employability/	
	entrepreneurship/ skill development and their	
	course syllabi are adequately revised to incorporate	Yes
	contemporary requirements	103
	> R2018 & R2022 - Course categorization &	
24	Comparison charts	
2 Academic	New courses introduced out of the total number of	
Flexibility	courses	
	➤ List of new courses with syllabi for R2018	Yes
	> Minutes of Board of Studies meeting clearly	103
	specifying the syllabus approval of new courses	- 4
	(R2018)	
1.3	1.3.1 Integrating cross-cutting issues relevant to	
Curriculum	Professional Ethics, Gender, Human Values,	
nrichment	Environment and Sustainability and other value	
	framework enshrined in Sustainable Development	
	framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the	
		37
	Goals and National Education Policy – 2020 into the Curriculum	Yes
	Goals and National Education Policy – 2020 into the	Yes
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and	Yes
	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus	Yes
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and	Yes
	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus	Yes
	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course	Yes
	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values"	Yes
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs,	Yes
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other	Yes
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms	0
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	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the above mentioned programs Programme brochure/notice for Value added programs	0
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	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the above mentioned programs Programme brochure/notice for Value added programs	Yes
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System	Structured feedback for transaction is regularly obtai like Students, Teachers, Academic peers etc.,			
	Collections of feedbace Faculty, Parent, Employer		-	Yes
	Feedback analysis repor	t		
	> Action taken report on the	ne feedback ar	nalysis	
	 Circular and Action take level Committee, Progra and Board of Studies Mi 	m Advisory (
	Criteria 2 Teaching-learn	ing and Evalu	ation	
2.1 Student	Enrolment percentage		i u	
Enrolment	Year	2021-	22	Yes
and Profile		UG	PG	103
	No of Seats sanctioned	120	36	
2.2	Filled 2.2.1 The department assesse	102	6	
Diversity	> Remedial Classes Sched			
	> Class Committee Circula		es	
			es	Yes
	> Class Committee Circula	rs and Minute		Yes
	Class Committee CirculaMentor – Mentee Files	rs and Minute	rners	Yes
	 Class Committee Circula Mentor - Mentee Files Placement Courses offered 	rs and Minute ed for slow lea track System	rners	Yes
	 Class Committee Circula Mentor - Mentee Files Placement Courses offered Regulation R2018 - Fast 	rs and Minute ed for slow lea track System	rners	Yes
	 Class Committee Circula Mentor - Mentee Files Placement Courses offered Regulation R2018 - Fast NPTEL Courses Registration 	ed for slow leatrack System	rners	Yes
	 Class Committee Circula Mentor – Mentee Files Placement Courses offered Regulation R2018 - Fast NPTEL Courses Registrate GATE/CAT Programs 2.2.2 Student - Full time teach 	ed for slow leatrack System	rners icates	Yes
	 Class Committee Circula Mentor - Mentee Files Placement Courses offered Regulation R2018 - Fast NPTEL Courses Registrate GATE/CAT Programs 2.2.2 Student - Full time teach Year No of students 	ed for slow leatrack System tion and certife ther ratio	rners icates 021-22 389	
	 Class Committee Circula Mentor – Mentee Files Placement Courses offered Regulation R2018 - Fast NPTEL Courses Registrate GATE/CAT Programs 2.2.2 Student - Full time teach 	ed for slow leatrack System tion and certife ther ratio	rners icates	Yes
	 Class Committee Circula Mentor - Mentee Files Placement Courses offered Regulation R2018 - Fast NPTEL Courses Registrate GATE/CAT Programs 2.2.2 Student - Full time teach Year No of students 	ed for slow leatrack System tion and certife there are the students in each students in eac	mers icates 2021-22 389 22 h of the	



	and learning process	
	 Experiential learning – Sample Internship letter, Naan Mudhalvan courses, Sample Industrial Project, if any Industrial Visit Reports 	
	 Participative learning – Technical Seminar for M.E: Circular and other supporting documents Learning through various social activities and technical association events: Invitation, Schedule, Attendance sheet and Report with Photographs 	
	 Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report 	
	➤ SWAYAM/NPTEL Courses	
The state of	Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars	Yes
	 Mentor Student Mapping Sample Counselling Forms 2.3.3 Preparation and adherence of Academic 	
	 Mentor Student Mapping Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution 	Yes
	 Mentor Student Mapping Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution Academic Calendar 	Yes
	 ➤ Mentor Student Mapping ➤ Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution ➤ Academic Calendar ➤ Teaching Plan 	Yes
	 ➢ Mentor Student Mapping ➢ Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution ➢ Academic Calendar ➢ Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution 	Yes
Student Performance and Learning	 ➢ Mentor Student Mapping ➢ Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution ➢ Academic Calendar ➢ Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution ➢ Course File for each course ➢ Overall CO-PO & PSO Attainment with Action Taken Report ➢ Project Review Evaluation with Rubric 	
Student Performance and Learning	 ➢ Mentor Student Mapping ➢ Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution ➢ Academic Calendar ➢ Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution ➢ Course File for each course ➢ Overall CO-PO & PSO Attainment with Action Taken Report 	



	chart		
	Year	2021-22	
	Number of Students Pass	125	
	Criteria 3 Research, Innovations	and Extension	ST E
3.1	3.1.1 Amount of seed mone		
Promotion of	institution to its teachers for re		
Research and	Year	2021-22	
Facilities	Amount (INR in Lakhs)	Dec.	No
	 List of faculty who have been promoney for research along with project, duration and amount y Audited Income-Expenditure st 	the title of the rear-wise	
T = 201	3.1.2 Teachers receiving international fellowship/finance various agencies for advanced statement of teacher Total number of teacher	ial support by	No
3.2	3.2.1 Total Grants research fund	ling received by	
Resource Mobilization	3.2.1 Total Grants research function institution and its factor Government and non-government as industry, corporate houses bodies for research projections.	ulties through nt sources such s, international	
Resource Mobilization	3.2.1 Total Grants research function in the institution and its factorized Government and non-government as industry, corporate houses bodies for research project research chairs	ulties through nt sources such s, international t, endowment	No
	3.2.1 Total Grants research function and its factorist Government and non-government as industry, corporate houses bodies for research project research chairs Year	ulties through nt sources such s, international	No
Resource Mobilization	3.2.1 Total Grants research function in the institution and its factorized Government and non-government as industry, corporate houses bodies for research project research chairs	ulties through nt sources such s, international t, endowment 2021-22	No
Resource Mobilization	3.2.1 Total Grants research function institution and its factor Government and non-government as industry, corporate houses bodies for research project research chairs Year Amount (INR in Lakhs) List of Extramural funding receives research,	eived for cts per teacher on-government, international	No



3.3 Research	3.3.1 List of candidates registered for Ph.D per teacher	Yes	
Publications Year 2021-22			
and Awards	Total Number of Candidate 15		
	3.3.2 List of research papers in the Journals notified on UGC CARE list	Yes	
	Year 2021-22	168	
	Total Number of Research paper 18		
	 Copies of Full paper (with author and affiliation details) 		
	3.3.3 Total Number of books and chapters in edited volumes published	No	
	Year 2021-22	140	
	Total Number of Books/Chapters -		
ed Institute	Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters		
3.4	Revenue generated from consultancy and		
Consultancy	corporate training	No	
	Year 2021-22 Amount (INR in Lakhs)		
3.5 Collaboration	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research Year 2021-22 Total Number of MoUs	No	
	> Copies of documents indicating the functional MoUs		
	List of year wise activities with report		
	Criteria 4 Infrastructure and Learning Resources		
4.1	Adequate infrastructure and other facilities		
	•		
Physical Facilities	> Details of Interactive Display & Smart Board		



*	Computers available, list of software us students	ed for	
	1. Classrooms – 8		
	2. Laboratory-10		
	3. Computer - 65		
	Criteria 5 Student Support and Progressio	n	
5.1	5.1.1 Efforts taken by the institution to pr	ovide	
Student	career counselling including e-counselling	and	
Support	guidance for competitive examinations		Yes
	> Details of programmes like Career gui	dance	100
	programme, Placement Training		
	> Reports with Photograph	4 444	
	July distribution	skills	
	enhancement activities are organised	for	
	improving students' capability	20	DI
	Year 2021	-22	No
	Total Number of Program -		
	Report with Photographs on program	nmes	
	conducted for awareness of trends	1 1	
5.2 Student	5.2.1 Number of outgoing students placed	1 and	2
Progression	progressed to higher education	00	4 "
Floglession	Year 2021		Yes
	Total Number of Students Placed 15 Total Number of progressed to higher 4		-
	Total Number of progressed to higher 4 education		
	5.2.2 Number of students qualifying in s	tate /	
	national/ international level examinations		-
	NET/SLET/Civil Services/State govern:	. –	
	examinations etc.)	mene	No
	Year 2021	-22	
	Total Number of Students Qualified	22	
5.3	Presence of an active Student Counc	i1 &	
Student	representation of students on academ		
Participation		the	Yes
and Activities	institution.	CIIC	100
	institution.		
	> Technical Symposium		Yes
	> Class committee meeting		Yes
	> BOS minutes		Yes



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	Criteria 6 Governance, Leaders Management	hip and	
6.1 Faculty Empowerment Strategies	6.1.1 Number of teachers pr financial support to conferences/workshops and membership fee of professional bo	attend towards	No
	Year	2021-22	
	Total Number of Teacher		
	6.1.2 Number of Teachers who have online/ face-to-face Faculty Programmes (FDP)/ Management Programs (MDP)	Development	Yes
	Year	2021-22	
	Total Number of Teacher	10	
- 120	➤ List of Faculty attended FDP/N	MDP	

Overall Comments if any:

- Department has well-defined curriculum framework.
- Course content can also be included when remedial class is scheduled
- · Faculties are encouraged to take steps for research funding
- An initiative for generating revenue through consultancy is needed
- Steps may be taken to get MOUs with industries.



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

Name of the Department	: Electrical and Electronics Engineering
Address of the Institute	: GCE, Salem
Date and time of visit	: 24.10.2022
Members of the Audit Committee	: Signature
 Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503. 	: · Dromono : 10.22
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	: \$8001/12/2/1x

Part - 2: Academics Information

Metric No	Description		
- Dreit	Criteria 1 Curricular Aspects		
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes		
	➤ Vision & Mission		
	 Programmme Educational Objectives (PEO) 		
	> Program Outcomes (PO) – UG & PG	Yes	
New York	Program Specific Outcomes (PSO) – UG & PG	-	
	> R2018 - Curriculum and Syllabus with CO – UG & PG		
	> R2022 - Curriculum and Syllabus with CO – UG & PG		
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 		
	> Syllabi book for 2018 and 2022 Regulations		



00.5	Committee, Program Advisory Committee and Board of Studies Minutes	
	1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements	Yes
	> R2018 & R2022 – Course categorization & Comparison charts	
1.2 Academic Flexibility	New courses introduced out of the total number of courses	
	 List of new courses with syllabi for R2018 Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018) 	Yes
1.3 Curriculum Enrichment	1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the	
	Curriculum ➤ List of courses for Human Values, Gender, and Professional Ethics with Syllabus ➤ List of courses for Environment and Sustainability with Syllabus ➤ List of faculty members attending the course "Universal human values"	Yes
	1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added programs > Evidence of course completion	Yes
	 1.3.3 Does the programme have components of field projects / research projects / internships Evaluated sample project report (5) – UG & PG Internship completion letter – UG & PG 	Yes
.4 Feedback System	Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., Collections of feedback forms Students, Faculty, Parent, Employer, Alumni, Exit Survey	Yes



		Feedback analysis report			
	>	Action taken report on the feed	dback ana	lysis	
		Circular and Action taken repo Committee, Program Advisory of Studies Minutes	_		
The state of	15 9	Criteria 2 Teaching-learning	and Eval	uation	
2.1 Student	Enroln	nent percentage			
Enrolment		Year	20	21-22	Yes
and Profile			UG	PG	103
		No of Seats sanctioned	60	18	
		Filled	53	5	
2.2 Catering to Student	studen	The department assesses the ts and organises special Pro ntial learning needs of the s	ogrammes		
Diversity	> 1	Remedial Classes Schedule			
	>	Class Committee Circulars and	d Minutes		
	> 1	Mentor – Mentee Files			Yes
	>]	Placement Courses offered for	slow learn	ers	
	> 1	Regulation R2018 - Fast track	System.		
	>]	NPTEL Courses Registration a:	nd certific	ates	
	>	GATE/CAT Programs			
	2.2.2 8	tudent - Full time teacher r	atio		
		Year		2021-22	
		No of students	July	211	Yes
		Number of full time teacher	S	12	ies
		List showing the number of studer programs			
2.3 Teaching- Learning Process	learnin metho experie	Student centric methods, ag, participative learning a dologies are used for ence and teachers use ICT- encesources for effective tess	and problemancin	em solving g learning ls including	Yes
	> I	Experiential learning – Sample Vaan Mudhalvan courses, Sample Industrial Project, if ar Industrial Visit Reports		p letter,	
					1



	Technical Seminar for M.E. Circular and other	
	supporting documents	
	Learning through various social activities and	
	technical association events: Invitation, Schedule,	
	Attendance sheet and Report with Photographs	
	> Problem solving methodologies - Sample	
	Assignments, Tutorials, Mini Project, Project work	
	Report	
	> SWAYAM/NPTEL Courses	
	2.3.2 The department adopts effective Mentor- Mentee Schemes to address academics and student psychological issues	
	> List of Active mentors	Yes
	> Mentor allocation circulars	
	> Mentor Student Mapping	
	Sample Counselling Forms	
	2.3.3 Preparation and adherence of Academic Calendar	
	and Teaching plans by the institution	1
	> Academic Calendar	Yes
	Academic CalendarTeaching Plan	Yes
2.4		Yes
2.4 Student	> Teaching Plan	Yes
Student Performance	> Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and	Yes
Student Performance and Learning	> Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other	Yes
Student Performance	> Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated	Yes
Student Performance and Learning	> Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution	Yes Yes
Student Performance and Learning	> Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution > Course File for each course	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken 	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken Report 	
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Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken Report Project Review Evaluation with Rubric 	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken Report Project Review Evaluation with Rubric Exit Survey sample forms 2.4.2 Pass percentage of students 	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken Report Project Review Evaluation with Rubric Exit Survey sample forms 	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken Report Project Review Evaluation with Rubric Exit Survey sample forms 2.4.2 Pass percentage of students 	Yes
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment with Action Taken Report Project Review Evaluation with Rubric Exit Survey sample forms 2.4.2 Pass percentage of students Departments: Result Analysis of all classes with chart 	Yes



romotion of esearch and	to its teachers for research.	2021-22	
Facilities	Amount (INR in Lakhs)	i e	
racincies	rimount (iivite in Bains)		No
	 List of faculty who have been provided money for research along with the title duration and amount year-wise Audited Income-Expenditure statemen 	of the project,	
	3.1.2 Teachers receiving national/ fellowship/financial support by various		
	advanced studies/ research		No
	Year	2021-22	
	Total number of teacher	-	
3.2	3.2.1 Total Grants research funding re-	ceived by the	
Resource	institution and its faculties through	_	
obilization	and non-government sources such		
r Research	corporate houses, international bodies		
	project, endowment research chairs		No
	Year	2021-22	110
	Amount (INR in Lakhs)	-	
	 List of Extramural funding received fo Endowment Research Chairs received 	r research,	
	Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-government	per teacher	No
	Endowment Research Chairs received 3.2.2 Number of research projects	per teacher	No
	Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies	per teacher nt, industry,	No
	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised	per teacher ent, industry,	
	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher	per teacher ent, industry,	No Yes
	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides	per teacher ent, industry,	
3.3 Research	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides Year	per teacher ent, industry, 2021-22 as research 2021-22 7	Yes
Research	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides Year Recognised as research guides 3.3.1 List of candidates registered	per teacher ent, industry, 2021-22 as research 2021-22 7	
Research ublications	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides Year Recognised as research guides 3.3.1 List of candidates registered feacher	per teacher ent, industry, 2021-22 as research 2021-22 7 for Ph.D per	Yes
Research iblications	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides Year Recognised as research guides 3.3.1 List of candidates registered feacher Year Total Number of Candidate 3.3.2 List of research papers in teacher	per teacher int, industry, 2021-22 as research 2021-22 7 for Ph.D per 2021-22 27	Yes
3.3 Research ublications nd Awards	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides Year Recognised as research guides 3.3.1 List of candidates registered teacher Year Total Number of Candidate	per teacher int, industry, 2021-22 as research 2021-22 7 for Ph.D per 2021-22 27	Yes



Student Support	counselling including e-counselling and guidance for competitive examinations > Details of programmes like Career guidance	Yes
5.1	Criteria 5 Student Support and Progression 5.1.1 Efforts taken by the institution to provide career	
er d'er ed	students 1. Classrooms – 7 2. Laboratory-17 3. Computer - 40	Yes
Facilities	Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for	
4.1 Physical	Adequate infrastructure and other facilities > Details of Interactive Display & Smart Board	
	Criteria 4 Infrastructure and Learning Resources	
	> List of year wise activities with report	
- Table - Coll	 Copies of documents indicating the functional MoUs 	
	Year 2021-22 Total Number of MoUs -	
3.5 Collaboration	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research	No
at the parties	Amount (INR in Lakhs) -	
3.4 Consultancy	Revenue generated from consultancy and corporate training Year 2021-22	No
	Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	
	Year 2021-22 Total Number of Books/Chapters -	
	3.3.3 Total Number of books and chapters in edited volumes published	No
	Copies of Full paper (with author and affiliation details)	



	5.1.2 Capacity development and skills	
	enhancement activities are organised for improving students' capability	
	Year 2021-22 Total Number of Program	No
	Report with Photographs on programmes conducted for awareness of trends	
5.2 Student	5.2.1 Number of outgoing students placed and progressed to higher education	
Progression	Year 2021-22	Yes
	Total Number of Students Placed 45 Total Number of progressed to higher - education -	
	5.2.2 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.)	Yes
	Year 2021-22	
_	Total Number of Students Qualified 1 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes
Student Participation	Total Number of Students Qualified 1 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the	Yes
Student Participation	Total Number of Students Qualified 1 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	
Student Participation	Total Number of Students Qualified 1 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution. > Technical Symposium	Yes
Student Participation	Total Number of Students Qualified Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution. > Technical Symposium > Class committee meeting	Yes Yes
Student Participation	Total Number of Students Qualified Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution. > Technical Symposium > Class committee meeting > BOS minutes > BOS sub committees circulars and Minutes (Student)	Yes Yes Yes
Student Participation and Activities 6.1 Faculty Empowerment	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution. > Technical Symposium > Class committee meeting > BOS minutes > BOG Sub committees circulars and Minutes (Student Representation) Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies	Yes Yes Yes
Student Participation and Activities 6.1 Faculty	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution. > Technical Symposium > Class committee meeting > BOS minutes > BOG Sub committees circulars and Minutes (Student Representation) Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and	Yes Yes Yes



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	online/ face-to-face Faculty Programmes (FDP)/ Management Programs (MDP)	Development Development	Yes
	Year	2021-22	
0.	Total Number of Teacher	4	8

Overall Comments if any:

- **1.** It is recommended to take steps for generating revenue through consultancy works.
- 2. Steps may be taken to get MOUs with industries.
- 3. Extra classes may be conducted help students for higher studies.



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

N	ame of the Department	:	Electronics and Communication Engineering
A	ddress of the Institute	:	GCE, Salem
Date and time of visit		:	24.10.2022
M	embers of the Audit Committee		Signature
1.	Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	*	Dno mondi i 0.22
2.	Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	Paren Matter / 10

Part - 2: Academics Information

Metric No	Description	Yes/No
	Criteria 1 Curricular Aspects	
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes	
	➤ Vision & Mission	
	 Programmme Educational Objectives (PEO) 	
	> Program Outcomes (PO) – UG & PG	Yes
	Program Specific Outcomes (PSO) – UG & PG	
	 R2018 - Curriculum and Syllabus with CO – UG & PG 	
	> R2022 - Curriculum and Syllabus with CO – UG & PG	
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 	



	> Syllabi book for 2018 and 2022 Regulations	-
,	 Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
-	1.1.2 The programmes focus on employability/entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements > R2018 & R2022 - Course categorization & Comparison charts	Yes
1.2 Academic Flexibility	1.2.1 New courses introduced out of the total number of courses	
	 List of new courses with syllabi for R2018 Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018) 	Yes
Curriculum Enrichment	Professional Ethics, Gender, Human Values, Environment and Sustainability and other value	
	framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum	Yes
	framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the	
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the above mentioned programs Programme brochure/notice for Value added programs	
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added	Yes



	like	action is regularly obtained Students, Teachers, En emic peers etc.,			
	>	Collections of feedback forms Parent, Employer, Alumni, Ex			yes
	>	Feedback analysis report			
	>	Action taken report on the fee	edback a	analysis	
	>	Circular and Action taken relevel Committee, Program and Board of Studies Minutes	Advisory	_	
	(Criteria 2 Teaching-learning	and Eva	luation	
2.1	Enrol	ment percentage			
Student		Year		1-22	
Enrolment and Profile		No of Seats sanctioned	UG	PG 18	
and Frome		Filled	60 51	1	
	>	Class Committee Circulars an	nd Minu	tes	Yes
	>	Mentor – Mentee Files	. 707		Yes
	>	Placement Courses offered for	r slow le	arners	
	>	Regulation R2018 - Fast track	k Syster	n.	
		Hogulation rate rate trace	-		
	>	NPTEL Courses Registration		ificates	
	>			ificates	
	>	NPTEL Courses Registration a GATE/CAT Programs Student - Full time teacher	and cert		100 X
	>	NPTEL Courses Registration a GATE/CAT Programs Student - Full time teacher Year	and cert	2021-22	
	> 2.2.2	NPTEL Courses Registration a GATE/CAT Programs Student - Full time teacher Year No of students	and cert	2021-22 191	Yes
	> 2.2.2	NPTEL Courses Registration a GATE/CAT Programs Student - Full time teacher Year	ratio 2	2021-22 191 11	Yes



	Experiential learning – Sample Internship letter,	
	Naan Mudhalvan courses,	
	Sample Industrial Project, if any	
	Industrial Visit Reports	
	> Participative learning –	
	Technical Seminar for M.E: Circular and other	
	supporting documents	
	Learning through various social activities and	1
	technical association events: Invitation, Schedule,	
	Attendance sheet and Report with Photographs	
	> Problem solving methodologies - Sample	
	Assignments, Tutorials, Mini Project, Project work	
	Report	
	➤ SWAYAM/NPTEL Courses	
	2.3.2 The department adopts effective Mentor-	
	Mentee Schemes to address academics and	
	student psychological issues	
	> List of Active mentors	Yes
	> Mentor allocation circulars	103
	> Mentor Student Mapping	
4.5	Sample Counselling Forms	
	2.3.3 Preparation and adherence of Academic	
	Calendar and Teaching plans by the institution	
	> Academic Calendar	Yes
	> Teaching Plan	
2.4	2.4.1 The department has stated learning outcomes	
Student	(programme and course outcome)/graduate	
Performance	attributes which are integrated into the assessment	- 1
and Learning	process and widely publicized through the website	1
Outcomes	and other documents and the attainment of the same	
	are evaluated by the institution	Yes
	Course File for each course	
	> Overall CO-PO & PSO Attainment with Action	
	Taken Report	
A	 Project Review Evaluation with Rubric 	
To the same of the	 Project Review Evaluation with Rubric Exit Survey sample forms 	



	chart		AT .
	Year	2021-22	
	Number of Students Pass	66	
	Criteria 3 Research, Innovations and	Extension	
3.1	3.1.1 Amount of seed money p	_	
Promotion of	institution to its teachers for research		
Research and	Year	2021-22	
Facilities	Amount (INR in Lakhs)	-	No
	List of faculty who have been provide	ed with seed	
	money for research along with the tit		
	project, duration and amount year-w		20
	> Audited Income-Expenditure stateme	ent	
	3.1.2 Teachers receiving national/ in		
	fellowship/financial support by various	us agencies	
	for advanced studies/ research		No
	Year	2021-22	
	Total number of teacher	-	
3.2		received by	
3.2 Resource	Total number of teacher 3.2.1 Total Grants research funding the institution and its faculties		
Resource	3.2.1 Total Grants research funding	es through	
Resource Mobilization	3.2.1 Total Grants research funding the institution and its faculties	es through ources such	-
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government so	es through ources such nternational	
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in	es through ources such aternational ent research	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultie Government and non-government so as industry, corporate houses, in bodies for research project, endowment	es through ources such nternational	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowment chairs	es through ources such aternational ent research	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs)	es through ources such aternational ent research	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government so as industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs) List of Extramural funding received	es through ources such aternational ent research	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government so as industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received	es through ources such aternational ent research 2021-22 for research,	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government so as industry, corporate houses, in bodies for research project, endowments Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects	es through ources such aternational ent research 2021-22 for research, per teacher	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowments Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-g	es through ources such aternational ent research 2021-22 for research, per teacher overnment,	No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-gindustry, corporate houses, international search projects funded by government, non-gindustry, corporate houses, internations.	es through ources such nternational ent research 2021-22 for research, per teacher overnment, ional bodies	No No
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowments Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-gindustry, corporate houses, internating the search of the search projects funded by government, non-gindustry, corporate houses, internating the search of the search projects funded by government, non-gindustry, corporate houses, internating the search of the search projects funded by government, non-gindustry, corporate houses, internating the search of the search projects funded by government, non-gindustry, corporate houses, internating the search of the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by government, non-gindustry, corporate houses, internating the search projects funded by go	es through ources such aternational ent research 2021-22 for research, per teacher overnment,	
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-gindustry, corporate houses, international search projects funded by government, non-gindustry, corporate houses, internations.	es through ources such nternational ent research 2021-22 for research, per teacher overnment, ional bodies	
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-gindustry, corporate houses, international Year Number of research projects per teacher	es through ources such nternational ent research 2021-22 for research, per teacher overnment, ional bodies 2021-22	
Resource Mobilization	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowments Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-gindustry, corporate houses, international Year Number of research projects per teacher 3.2.3 Number of teachers recognised	es through ources such nternational ent research 2021-22 for research, per teacher overnment, ional bodies 2021-22	
	3.2.1 Total Grants research funding the institution and its facultic Government and non-government seas industry, corporate houses, in bodies for research project, endowmer chairs Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects funded by government, non-gindustry, corporate houses, international Year Number of research projects per teacher	es through ources such nternational ent research 2021-22 for research, per teacher overnment, ional bodies 2021-22	



3.3 Research	3.3.1 List of candidates registered for Ph.D per teacher	
Publications	Year 2021-22	Yes
and Awards	Total Number of Candidate 19	
	3.3.2 List of research papers in the Journals	
	notified on UGC CARE list	
	Year 2021-22	Yes
	Total Number of Research paper 10	
- 2 -	 Copies of Full paper (with author and affiliation details) 	
	3.3.3 Total Number of books and chapters in edited volumes published	
	Year 2021-22	Yes
	Total Number of Books/Chapters 4	
	Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	ž.
3.4	Revenue generated from consultancy and	
Consultancy	corporate training	No
	Year 2021-22	NO
	Amount (INR in Lakhs)	
3.5 Collaboration	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research Year 2021-22 Total Number of MoUs	No
	 Copies of documents indicating the functional MoUs 	
	➤ List of year wise activities with report	
	Criteria 4 Infrastructure and Learning Resources	
4.1	Adequate infrastructure and other facilities	
4.1 Physical Facilities	Adequate infrastructure and other facilities > Details of Interactive Display & Smart Board	



	Computers available, list of software used for students 1. Classrooms – 5	
	2. Laboratory-6	
	3. Computer - 77	
E I a Consolida	Criteria 5 Student Support and Progression	
5.1 Student Support	5.1.1 Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations	Yes
	 Details of programmes like Career guidance programme, Placement Training Reports with Photograph 	
	5.1.2 Capacity development and skills enhancement activities are organised for improving students' capability	
	Year 2021-22	No
	Total Number of Program	
	Report with Photographs on programmes conducted for awareness of trends	
5.2	5.2.1 Number of outgoing students placed and	
Student	progressed to higher education	
Progression	Year 2021-22	Yes
	Total Number of Students Placed 45	105
	Total Number of progressed to higher 2 education	
	5.2.2 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.) Year 2021-22 Total Number of Students Qualified 1	Yes
5.3	Presence of an active Student Council &	
Student Participation and Activities	representation of students on academic & administrative bodies/committees of the institution.	Yes
	> Technical Symposium	Yes
	> Class committee meeting	Yes
	> BOS minutes	Yes
	> BOG Sub committees circulars and Minutes (Student Representation)	Yes



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Criteria 6 Governance, Leadership an	d Management	
support to attend conferences/we	orkshops and	No
Year	2021-22	
Total Number of Teacher		
online/ face-to-face Faculty	Development	Yes
Year	2021-22	
Total Number of Teacher	6	
	support to attend conferences/we towards membership fee of profess Year Total Number of Teacher 6.1.2 Number of Teachers who has online/ face-to-face Faculty Programmes (FDP)/ Management Programs (MDP)	Total Number of Teacher 6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)

Overall Comments if any:

- Department has well-defined curriculum framework.
- Course content can also be included when remedial class is scheduled.
- Faculties are encouraged to take steps for research funding.



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

N	ame of the Department	:	Civil Engineering	
A	Address of the Institute		GCE, Salem	
D	Date and time of visit		24.10.2022	
M	lembers of the Audit Committee	:	Signature	
1.	Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	•	Momond: 10.22	
2.	Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	•	Beaulista 34/1x	

Part - 2: Academics Information

Metric No	Description	Yes/ No
	Criteria 1 Curricular Aspects	17.7
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (Pos) and Course Outcomes(Cos) of the Programmes	
	➤ Vision & Mission	- 1
	> Programmme Educational Objectives (PEO)	Yes
	➤ Program Outcomes (PO) – UG & PG	
	Program Specific Outcomes (PSO) – UG & PG	
	> R2018 – Curriculum and Syllabus with CO – UG & PG	
	> R2022 - Curriculum and Syllabus with CO - UG & PG	-



	DEC 1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 	
	➤ Syllabi book for 2018 and 2022 Regulations	
5	Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes	_
	1.1.2 The programmes focus on employability/	
	entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate	Yes
	contemporary requirements	103
	> R2018 & R2022 - Course categorization & Comparison charts	
1.2 Academic Flexibility	1.2.1 New courses introduced out of the total number of courses	
	➤ List of new courses with syllabi for R2018	Yes
	> Minutes of Board of Studies meeting clearly	168
1.3 Curriculum	specifying the syllabus approval of new courses (R2018) 1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values,	
	(R2018) 1.3.1 Integrating cross-cutting issues relevant to	
Curriculum	(R2018) 1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and	Yes
Curriculum	(R2018) 1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability	Yes
Curriculum	(R2018) 1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus	Yes
Curriculum	(R2018) 1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course	
Curriculum	1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other	Yes
Curriculum	1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the	
Curriculum	1.3.1 Integrating cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added	



	Internship of	completion lette	er – UG & F	PG .	
l.4 Feedback System	transaction is relike Students, Academic peers e > Collections	gularly obtair Teachers, tc.,	Employer ms – Stude	stakeholders, Alumn	i,
	Feedback as	nalysis report			
	> Action taker	n report on the	feedback a	nalysis	
	level Commi	d Action taken Ittee, Program A Idies Minutes	-	-	
	Criteria 2 Te	aching-learnii	ng and Eva	luation	
2.1 Student Enrolment	Enrolment percer		202	1-22	
and Profile	100		UG	PG	Yes
			-		
	No of Seats s		120	18	
2.2	Fille	d	107	15	of.
2.2 Catering to Student Diversity		d nent assesses l organises s al learning ne	107 the learn pecial Pro eds of the	15 ing levels of	
Catering to Student	Filled 2.2.1 The department the students and cater to differentiate	d nent assesses l organises sp al learning ne asses Schedule	107 the learn pecial Pro eds of the	15 ing levels of grammes t student	
Catering to Student	Filled 2.2.1 The department the students and cater to differentiate Remedial Cl	d nent assesses l organises sp al learning ne asses Schedule nittee Circulars	107 the learn pecial Pro eds of the	15 ing levels of grammes t student	
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the	d nent assesses l organises sp al learning ne asses Schedule nittee Circulars	the learn pecial Proceeds of the and Minut	ing levels of grammes to student	.0
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the	nent assesses l organises sp al learning ne asses Schedule nittee Circulars entee Files courses offered	the learn pecial Propeds of the and Minut	ing levels of grammes to student tes	.0
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the	nent assesses l organises sp al learning ne asses Schedule nittee Circulars entee Files courses offered	the learn pecial Propeds of the and Minut	ing levels of grammes to student tes	.0
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the	ment assesses I organises sp al learning ne asses Schedule nittee Circulars entee Files Courses offered R2018 – Fast tr eses Registratio	the learn pecial Propeds of the and Minut	ing levels of grammes to student tes	.0
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the students and cater to differentian in the students and cater to differentian in the students of the	ment assesses I organises sp al learning ne asses Schedule nittee Circulars entee Files Courses offered R2018 – Fast tr eses Registratio	the learn pecial Propeds of the and Minut	ing levels of grammes to student tes	.0
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the	nent assesses l organises sp al learning ne asses Schedule aittee Circulars entee Files courses offered R2018 – Fast tr rses Registratio Programs ent – Full time Year	the learn pecial Propeds of the and Minute for slow learn and certification and cert	ing levels of grammes to student tes arners afficates atio 2021-22	.0
Catering to Student	Filled 2.2.1 The department the students and cater to differentian in the students and cater to differentian in the students and cater to differentian in the students of the	nent assesses l organises spal learning ne asses Schedule hittee Circulars entee Files Courses offered R2018 – Fast tr eses Registratio Programs ent – Full time	the learn pecial Propeds of the and Minute for slow learn and certification and cert	ing levels of grammes to student tes	.0



2.3 Teaching- Learning Process	2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and	
stoner	learning process	
	 Experiential learning – Sample Internship letter, Naan Mudhalvan courses, Sample Industrial Project, if any Industrial Visit Reports 	
	 Participative learning – Technical Seminar for M.E: Circular and other supporting documents Learning through various social activities and technical association events: Invitation, Schedule, Attendance sheet and Report with Photographs 	Yes
86	 Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report 	
	CULAVAM /NIPTEL Courses	1
	> SWAYAM/NPTEL Courses 2.3.2 The department adopts effective Mentor- Mentee Schemes to address academics and	
	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors	Yes
	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars	Yes
	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping	Yes
	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars	
	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution > Academic Calendar	Yes
2.4	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution > Academic Calendar	
Student Performance	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution > Academic Calendar > Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are	Yes
Student Performance and Learning	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution > Academic Calendar > Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other	Yes



	2.4.2 Pass percentage of students	ui,	
	 Departments: Result Analysis of a chart 	all classes with	Yes
	Year	2021-22	
	Number of Students Pass	134	
5.1861	Criteria 3 Research, Innovations and	i Extension	
3.1		provided by	
Promotion of	institution to its teachers for resear	cn. 2021-22	
Research and	Year	2021-22	
Facilities	Amount (INR in Lakhs)		No
	 List of faculty who have been provided money for research along with the tiproject, duration and amount year-way. Audited Income-Expenditure statem. 	tle of the vise	
	3.1.2 Teachers receiving national/ fellowship/financial support by vari for advanced studies/ research	ious agencies	No
	fellowship/financial support by vari for advanced studies/ research Year		No
* 1181	fellowship/financial support by vari for advanced studies/ research Year Total number of teacher	2021-22	No
3.2 Resource Mobilization for Research	fellowship/financial support by varifor advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding the institution and its facult Government and non-government so industry, corporate houses, interna for research project, endowment res Year Amount (INR in Lakhs) List of Extramural funding received	g received by ies through urces such as tional bodies earch chairs	No
Resource Mobilization	fellowship/financial support by vari for advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding the institution and its facult Government and non-government so industry, corporate houses, interna for research project, endowment res Year Amount (INR in Lakhs)	g received by ies through urces such as tional bodies earch chairs	
Resource Mobilization	fellowship/financial support by varifor advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding the institution and its facult Government and non-government so industry, corporate houses, interna for research project, endowment research project, endowment research claim (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects	g received by ies through urces such as tional bodies earch chairs 2021-22 - for research,	



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	3.2.3 Number of teachers recognised as research guides	
	Year 2021-22	Yes
	Recognised as research guides 5	
3.3 Research	3.3.1 List of candidates registered for Ph.D per teacher	
Publications	Year 2021-22	Yes
and Awards	Total Number of Candidate 20	
er bai	3.3.2 List of research papers in the Journals notified on UGC CARE list	T
	Year 2021-22	Yes
	Total Number of Research paper 14	
	 Copies of Full paper (with author and affiliation details) 	
	3.3.3 Total Number of books and chapters in edited volumes published	No
	Year 2021-22	110
	Total Number of Books/Chapters -	
	 Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters 	
3.4 Consultancy	Revenue generated from consultancy and corporate training	
	Year 2021-22	Yes
	Amount (INR in Lakhs) 103.43	
3.5 Collaboration	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research Year 2021-22	Yes
	Total Number of MoUs 2	
		1
	 Copies of documents indicating the functional MoUs 	



	Criteria 4 Infrastructure and Learning Resources	
4.1	Adequate infrastructure and other facilities	
Physical Facilities	Details of Interactive Display & Smart Board	
racinties	➤ Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for students 1. Classrooms – 8	Yes
	2. Laboratory-113. Computer - 35	
	Criteria 5 Student Support and Progression	-
5.1	5.1.1 Efforts taken by the institution to provide career	Hari
Student	counselling including e-counselling and guidance for	
Support	competitive examinations > Details of programmes like Career guidance programme, Placement Training	Yes
	Reports with Photograph	
	5.1.2 Capacity development and skills enhancement activities are organised for improving students' capability	
	Year 2021-22	No
	Total Number of Program -	
	Report with Photographs on programmes conducted for awareness of trends	
5.2 Student	5.2.1 Number of outgoing students placed and progressed to higher education	
Progression	Year 2021-22	V
	Total Number of Students Placed 33	Yes
	Total Number of progressed to higher 5 education	
	5.2.2 Number of students qualifying in state/national/international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.) Year 2021-22	No
	Total Number of Students Qualified -	
5.3 Student	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the	Yes
nd Activities	institution.	



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	Class committee meeting	Yes
	> BOS minutes	Yes
	> BOG Sub committees circulars and Minutes (Student Representation)	Yes
	Criteria 6 Governance, Leadership and Management	
6.1 Faculty Empowerment Strategies	6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies Year 2021-22 Total Number of Teacher	No
M _X	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP) Year 2021-22 Total Number of Teacher 6	Yes
	➤ List of Faculty attended FDP/MDP	

Overall Comments if any:



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

Name of the Department	:	Computer Science and Engineering	
Address of the Institute	:	GCE, Salem	
Date and time of visit	:	24.10.2022	
Members of the Audit Committee		Signature	
Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.		10.22 monoro 24:10.22	
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	P8000/104/124/17	

Part - 2: Academics Information

Metric No	Description			
	Criteria 1 Curricular Aspects			
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes			
	> Vision & Mission			
	 Programmme Educational Objectives (PEO) 			
	➤ Program Outcomes (PO) – UG & PG	Yes		
	Program Specific Outcomes (PSO) – UG & PG			
	> R2018 - Curriculum and Syllabus with CO – UG & PG			
	R2022 - Curriculum and Syllabus with CO – UG & PG			
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 			
	➤ Syllabi book for 2018 and 2022 Regulations			



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E program	 Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	1.1.2 The programmes focus on employability/entrepreneurship/skill development and their course syllabi are adequately revised to incorporate contemporary requirements > R2018 & R2022 - Course categorization &	Yes
	Comparison charts	
1.2 Academic	1.2.1 New courses introduced out of the total number of	
Flexibility	courses	
	➤ List of new courses with syllabi for R2018	Yes
	Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018)	
1.3	1.3.1 Integrating cross-cutting issues relevant to	
Curriculum Enrichment	Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the	
	Curriculum	3.7
	> List of courses for Human Values, Gender, and	Yes
	Professional Ethics with Syllabus	
	> List of courses for Environment and Sustainability	
	with Syllabus	
	> List of faculty members attending the course	
	"Universal human values" 1.3.2 Number of certificate/value added	
	courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added	Yes
	programs	
	> Evidence of course completion	
	1.3.3 Does the programme have components of field	
	projects / research projects / internships	
	> Evaluated sample project report (5) – UG & PG	Yes
	➤ Internship completion letter – UG & PG	
1.4 Feedback System	Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc.,	Yes
	 Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey 	



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	> Feedback analysis report		
	> Action taken report on the fee	edback analysis	K-1
	Circular and Action taken rep	oort for Department level	
	Committee, Program Advisor		
-	of Studies Minutes		
	Criteria 2 Teaching-learning	g and Evaluation	
2.1	Enrolment percentage		
Student	Year	2021-22	Yes
Enrolment	No of Seats sanctioned	60	100
and Profile	Filled	51	
2.2 Catering to Student	2.2.1 The department assesses the students and organises special Prodifferential learning needs of the	rogrammes to cater to	
Diversity	Remedial Classes Schedule		
t	> Class Committee Circulars an	nd Minutes	
	> Mentor – Mentee Files	ATTEN TO THE REAL PROPERTY.	Yes
	> Placement Courses offered fo	r slow learners	
	> Regulation R2018 - Fast trac	k System.	
	> NPTEL Courses Registration	and certificates	
	> GATE/CAT Programs	127 7 98	
	2.2.2 Student - Full time teacher	ratio	
	Year	2021-22	
	No of students	174	
	Number of full time teachers	11	Yes
	 List showing the number of stude programs 	ents in each of the	
2.3	2.3.1 Student centric methods,	•	
Teaching-	learning, participative learning		
Learning	methodologies are used for		
Process	experience and teachers use ICT-		
	online resources for effective t	eaching and learning	
	process	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V
	Experiential learning – Samp	le Internship letter,	Yes
	Naan Mudhalvan courses,	nny	
	Sample Industrial Project, if a Industrial Visit Reports	ally	
	Participative learning –		
	Technical Seminar for M.J	E. Giranlan and other	
	Technical Seminar for Will	B. Circiliar and diner	



	Learning through various s technical association events: Attendance sheet and Report wi	Invitation, Schedule,	
	 Problem solving methodo. Assignments, Tutorials, Mini l Report 		
	> SWAYAM/NPTEL Courses	all the same of	
	2.3.2 The department adopts Mentee Schemes to address acad psychological issues		
	➤ List of Active mentors		V
	 Mentor allocation circulars 		Yes
	> Mentor Student Mapping		
	> Sample Counselling Forms		
	2.3.3 Preparation and adherence of and Teaching plans by the institutio		
	> Academic Calendar		Yes
	Academic CalendarTeaching Plan		Yes
2.4		learning outcomes	Yes
Student Performance	Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assessible widely publicized through the vidocuments and the attainment	graduate attributes ssment process and website and other	Yes
Student Performance and Learning	Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assessible widely publicized through the vertical properties of the properties of t	graduate attributes ssment process and website and other	Yes
Student Performance and Learning	Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assessible widely publicized through the widely publicized through the valuated by the institution	graduate attributes ssment process and website and other of the same are	
Student Performance and Learning	➤ Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the asses widely publicized through the widely publicized through the widecuments and the attainment evaluated by the institution ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment	graduate attributes ssment process and website and other of the same are nt with Action Taken	
Student Performance and Learning	> Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assess widely publicized through the vidocuments and the attainment evaluated by the institution > Course File for each course > Overall CO-PO & PSO Attainment Report	graduate attributes ssment process and website and other of the same are nt with Action Taken	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assess widely publicized through the vidocuments and the attainment evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment Report Project Review Evaluation with F 	graduate attributes ssment process and website and other of the same are nt with Action Taken	
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assess widely publicized through the vidocuments and the attainment evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment Report Project Review Evaluation with File Exit Survey sample forms 	graduate attributes ssment process and website and other of the same are nt with Action Taken	Yes
Student Performance and Learning	 Teaching Plan 2.4.1 The department has stated (programme and course outcome)/ which are integrated into the assess widely publicized through the vidocuments and the attainment evaluated by the institution Course File for each course Overall CO-PO & PSO Attainment Report Project Review Evaluation with F Exit Survey sample forms 2.4.2 Pass percentage of students 	graduate attributes ssment process and website and other of the same are nt with Action Taken	



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Promotion of Research and	to its teachers for research.	2021-22	
Facilities	Amount (INR in Lakhs)	2021 22	
racinties	List of faculty who have been provided we money for research along with the title of		No
3.2 Resource Mobilization for Research	duration and amount year-wise Audited Income-Expenditure statement 3.1.2 Teachers receiving national/ if fellowship/financial support by various advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding received for project, endowment sources such a corporate houses, international bodies project, endowment research chairs Year Amount (INR in Lakhs) List of Extramural funding received for	nternational agencies for 2021-22 eived by the Government as industry, for research	No
	Endowment Research Chairs received		
	3.2.2 Number of research projects funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher		No
	funded by government, non-government corporate houses, international bodies Year	2021-22	No
3.3 Research Publications and Awards	funded by government, non-government corporate houses, international bodies Year Number of research projects per teacher 3.2.3 Number of teachers recognised guides Year	as research 2021-22 2	



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4.1 Physical Facilities	Adequate infrastructure and other facilities Details of Interactive Display & Smart Board Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for students 1. Classrooms – 3 2. Laboratory-5 3. Computer – 190 Criteria 5 Student Support and Progression	Yes
Physical	 Details of Interactive Display & Smart Board Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for students Classrooms - 3 Laboratory-5 	Yes
Physical	 Details of Interactive Display & Smart Board Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for students Classrooms - 3 	Yes
Physical	 Details of Interactive Display & Smart Board Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for students 	Yes
Physical	 Details of Interactive Display & Smart Board Details of Classrooms, Laboratory and list of equipment including lab manual, Number of 	
Physical	 Details of Interactive Display & Smart Board Details of Classrooms, Laboratory and list of 	
Physical	> Details of Interactive Display & Smart Board	
	-	
4.1	Adequate infrastructure and other facilities	
	OTTOTAL I AMERICAN CONTROL OF THE PORTHING PRODUCTION	
	Criteria 4 Infrastructure and Learning Resources	
	List of year wise activities with report	
	 Copies of documents indicating the functional MoUs 	
1 11	Year 2021-22 Total Number of MoUs 3	
	research	
	student / faculty exchange and collaborative	Yes
	internship, on-the-job training, project work,	4
Collaboration	Number of functional MoUs/linkages with institutions/ industries in India and abroad for	
3.5	Amount (INR in Lakhs) -	
	Year 2021-22	
Consultancy	training	No
3.4	Revenue generated from consultancy and corporate	
	and year of publication for books/chapters	-
	page of the publication indicating ISBN number	
	Copy of the Cover page, content page and first	-
	Total Number of Books/Chapters -	
	Year 2021-22	No
	volumes published	
	3.3.3 Total Number of books and chapters in edited	



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	 Details of programmes like Carprogramme, Placement Training Reports with Photograph 	reer guidance	
	Capacity development and skills of activities are organised for improving capability	ng students'	
	Year Total Number of Program	2021-22	No
	> Report with Photographs on conducted for awareness of trends	programmes	
5.2	5.2.1 Number of outgoing students	placed and	
Student Progression	progressed to higher education		
	Year	2021-22	Yes
	Total Number of Students Placed	60	
	Total Number of progressed to higher education		
	5.2.2 Number of students qualifying	og in state/	
	5.2.2 Number of students qualifyin national/ international level examiner NET/SLET/Civil Services/State examinations etc.)	nations (eg:	No
	national/ international level exami NET/SLET/Civil Services/State examinations etc.)	nations (eg: government	No
	national/ international level exami NET/SLET/Civil Services/State	nations (eg:	No
5 2	national/ international level exami NET/SLET/Civil Services/State examinations etc.) Year Total Number of Students Qualified	nations (eg: government	No
	national/ international level exami NET/SLET/Civil Services/State examinations etc.) Year Total Number of Students Qualified Presence of an active Student	nations (eg: government	No
Student Participation	national/ international level examiner NET/SLET/Civil Services/State examinations etc.) Year Total Number of Students Qualified Presence of an active Student representation of students on a administrative bodies/committees	council & academic &	
Student Participation	national/ international level examiner NET/SLET/Civil Services/State examinations etc.) Year Total Number of Students Qualified Presence of an active Student representation of students on a administrative bodies/committees institution.	council & academic &	Yes
	national/ international level examiner NET/SLET/Civil Services/State examinations etc.) Year Total Number of Students Qualified Presence of an active Student representation of students on a administrative bodies/committees institution. > Technical Symposium	council & academic &	Yes



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	Criteria 6 Governance, Leadership and	Management	
6.1 Faculty Empowerment Strategies	6.1.1 Number of teachers provided support to attend conferences/we towards membership fee of profession	orkshops and	No
btrategies	Year	2021-22	
	Total Number of Teacher		
	6.1.2 Number of Teachers who had online face-to-face Faculty Programmes (FDP) Management Programs (MDP)	Development Development	Yes
	Year	2021-22	
	Total Number of Teacher	6	

Overall Comments if any:



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

N	ame of the Department	:	Metallurgical Engineering
A	ddress of the Institute	:	GCE, Salem
D	ate and time of visit	:	24.10.2022
M	embers of the Audit Committee		Signature
1.	Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	•	Ønomoni. 10.22.
2.	Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	•	\$8000/100/24/2

Part - 2: Academics Information

Metric No	Description	Yes/ No
	Criteria 1 Curricular Aspects	
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes	
	➤ Vision & Mission	
	 Programmme Educational Objectives (PEO) 	
	> Program Outcomes (PO) – UG & PG	Yes
	➤ Program Specific Outcomes (PSO) – UG & PG	
	> R2018 - Curriculum and Syllabus with CO – UG & PG	
	 R2022 - Curriculum and Syllabus with CO – UG & PG 	
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 	



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7.	Syllabi book for 2018 and 2022 Regulations	
	 Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements	Yes
	➤ R2018 & R2022 – Course categorization & Comparison charts	
1.2 Academic Flexibility	1.2.1 New courses introduced out of the total number of courses	
	List of new courses with syllabi for R2018	Yes
	Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018)	
1.3 Curriculum	1.3.1 Integrating cross-cutting issues relevant to	
	Environment and Sustainability and other value framework enshrined in Sustainable Development	
	·	Yes
	framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum	Yes
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and	Yes
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other	
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs,	Yes
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the	
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the above mentioned programs Programme brochure/notice for Value added	
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the above mentioned programs Programme brochure/notice for Value added programs	Yes
	framework enshrined in Sustainable Development Goals and National Education Policy - 2020 into the Curriculum - List of courses for Human Values, Gender, and Professional Ethics with Syllabus - List of courses for Environment and Sustainability with Syllabus - List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms - List of students and the attendance sheet for the above mentioned programs - Programme brochure/notice for Value added programs - Evidence of course completion 1.3.3 Does the programme have components of field	



1.4 Feedback System	Structured feedback for curtransaction is regularly obtained like Students, Teachers, En Academic peers etc.,			
	 Collections of feedback forms Parent, Employer, Alumni, E 			Yes
	Feedback analysis report			
	> Action taken report on the fe	eedback a	nalysis	
	 Circular and Action taken re level Committee, Program and Board of Studies Minute 	Advisory		
Carlotte and a	Criteria 2 Teaching-learning	and Eval	uation	
2.1 Student	Enrolment percentage			
Enrolment and	Year	202		Yes
Profile	N 60 1 1	UG	PG	
	No of Seats sanctioned Filled	60 55	18	
	 Class Committee Circulars a Mentor - Mentee Files Placement Courses offered for Regulation R2018 - Fast trace NPTEL Courses Registration 	or slow lea	arners	Yes
	> GATE/CAT Programs			
			21.22	
	Number of full time teachers	40	9	Yes
	 Regulation R2018 - Fast trace NPTEL Courses Registration GATE/CAT Programs 2.2.2 Student - Full time teacher Year No of students Number of full time teachers List showing the number of students 	and certi	21-22 193	Yes
2.3 Teaching- Learning Process	2.3.1 Student centric methods, s learning, participative learning a methodologies are used for e	nd probl	em solving	Yes



	including online resources for effective teaching and learning process	
	 Experiential learning – Sample Internship letter, Naan Mudhalvan courses, Sample Industrial Project, if any Industrial Visit Reports 	
	Participative learning – Technical Seminar for M.E. Circular and other supporting documents Learning through various social activities and technical association events: Invitation, Schedule, Attendance sheet and Report with Photographs	
	 Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report 	
	> SWAYAM/NPTEL Courses	
	2.3.2 The department adopts effective Mentor-	
(Contract)	2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues > List of Active mentors	Yes
10.000	Mentee Schemes to address academics and student psychological issues	Yes
	Mentee Schemes to address academics and student psychological issues > List of Active mentors	Yes
	Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars	Yes
	Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution	-
	Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic	
2.4 Student rformance d Learning outcomes	Mentee Schemes to address academics and student psychological issues ➤ List of Active mentors ➤ Mentor allocation circulars ➤ Mentor Student Mapping ➤ Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution ➤ Academic Calendar	Yes
Student rformance d Learning	Mentee Schemes to address academics and student psychological issues > List of Active mentors > Mentor allocation circulars > Mentor Student Mapping > Sample Counselling Forms 2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution > Academic Calendar > Teaching Plan 2.4.1 The department has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same	Yes



	2.4.2 Pass percentage of students	-	
	 Departments: Result Analysis of a chart 	ll classes with	Yes
	Year	2021-22	
	Number of Students Pass	63	
	Criteria 3 Research, Innovations and	Extension	
3.1 Promotion of	3.1.1 Amount of seed money prinstitution to its teachers for resear		
Research and	Year	2021-22	
Facilities	Amount (INR in Lakhs)	(=)	No
a enter	 List of faculty who have been provid money for research along with the ti project, duration and amount year-v Audited Income-Expenditure statem 	itle of the wise	
	3.1.2 Teachers receiving national/ in		
	fellowship/financial support by varie for advanced studies/ research Year Total number of teacher		No
3.2 Resource Mobilization for Research	fellowship/financial support by varie for advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding the institution and its faculti Government and non-government s as industry, corporate houses, in bodies for research project, endowments Year Amount (INR in Lakhs)	received by es through ources such nternational ent research	No
Resource Mobilization	fellowship/financial support by varied for advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding the institution and its facultic Government and non-government sas industry, corporate houses, in bodies for research project, endowment chairs Year Amount (INR in Lakhs) List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects	received by es through ources such nternational ent research	
Resource Mobilization	fellowship/financial support by varie for advanced studies/ research Year Total number of teacher 3.2.1 Total Grants research funding the institution and its facultic Government and non-government s as industry, corporate houses, in bodies for research project, endowment search project, endowment search (INR in Lakhs) > List of Extramural funding received Endowment Research Chairs received 3.2.2 Number of research projects	received by es through cources such nternational ent research 2021-22	



	guides	2021-22	Yes
	Recognised as research guides	2021-22	
3.3 Research	3.3.1 List of candidates registered teacher	for Ph.D per	
Publications	Year	2021-22	Yes
and Awards	Total Number of Candidate	2	
	3.3.2 List of research papers in t	he Journals	
	notified on UGC CARE list		4
	Year	2021-22	Yes
	Total Number of Research paper	5	
	> Copies of Full paper (with affiliation details)	author and	
	3.3.3 Total Number of books and edited volumes published		Yes
	Year	2021-22	
	Total Number of Books/Chapters	1	
	Copy of the Cover page, content page of the publication indinumber and year of publication books/chapters	cating ISBN	
3.4		ltancy and	
Consultancy	corporate training		No
	Year	2021-22	110
	Amount (INR in Lakhs)	=:	
	Number of functional MoUs/lin	kages with	
3.5 Collaboration	institutions/ industries in India an internship, on-the-job training, prostudent / faculty exchange and or research	d abroad for oject work,	No
	institutions/ industries in India and internship, on-the-job training, prostudent / faculty exchange and o	d abroad for oject work,	No
	institutions/ industries in India an internship, on-the-job training, prostudent / faculty exchange and cresearch	d abroad for coject work, collaborative	No



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	Criteria 4 Infrastructure and Learning Resources	
4.1	Adequate infrastructure and other facilities	
Physical Facilities	Details of Interactive Display & Smart Board	
racinties	Details of Classrooms, Laboratory and list of equipment including lab manual, Number of Computers available, list of software used for students	Yes
	 Classrooms – 6 Laboratory-10 Computer - 41 	
No series	Criteria 5 Student Support and Progression	
5.1 Student	5.1.1 Efforts taken by the institution to provide career counselling including e-counselling and	
Support	 guidance for competitive examinations Details of programmes like Career guidance programme, Placement Training Reports with Photograph 	Yes
	5.1.2 Capacity development and skills enhancement activities are organised for improving students' capability	
	Year 2021-22	No
	Total Number of Program -	
	Report with Photographs on programmes conducted for awareness of trends	-4
5.2 Student	5.2.1 Number of outgoing students placed and progressed to higher education	
Progression	Year 2021-22	Yes
	Total Number of Students Placed 21 Total Number of progressed to higher	
	education	
	5.2.2 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.)	No
	Year 2021-22 Total Number of Students Qualified 1	
5.3 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes



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	> Technical Symposium	Yes
	> Class committee meeting	Yes
	➤ BOS minutes	Yes
	 BOG Sub committees circulars and Minutes (Student Representation) 	Yes
	Criteria 6 Governance, Leadership and Management	0 :51
6.1 Faculty Empowerment Strategies	6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies Year 2021-22 Total Number of Teacher	No
	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development	
-2	Programmes (FDP)/ Management Development Programs (MDP)	Yes
	Programs (MDP) Year 2021-22	Yes
	Programs (MDP)	Yes

Overall Comments if any:-



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

N	ame of the Department	:	Science and Humanities
A	ddress of the Institute	:	GCE, Salem
D	ate and time of visit	:	24.10.2022
M	embers of the Audit Committee		Signature
1.	Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.		Momoro ; jo. 22
2.	Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	•	P8011/1442

Part - 2: Academics Information

Metric No	Description	Yes/ No
	Criteria 1 Curricular Aspects	
1.1 Curriculum Design and Development	1.1.1 Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes	
	> Vision & Mission	
	 Programmme Educational Objectives (PEO) 	
	Program Outcomes (PO) – UG & PG	Yes
	Program Specific Outcomes (PSO) – UG & PG	
,	R2018 - Curriculum and Syllabus with CO – UG & PG	
	> R2022 - Curriculum and Syllabus with CO – UG & PG	
	 Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 	



	> Syllabi book for 2018 and 2022 Regulations	
	➤ Circular and Action taken report for Department	
	level Committee, Program Advisory Committee and	
	Board of Studies Minutes	
Yes	1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements	
	> R2018 & R2022 - Course categorization & Comparison charts	
		1.2 Academic Flexibility
Yes	➤ List of new courses with syllabi for R2018	
	➤ Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018)	
	culum Professional Ethics, Gender, Human Values,	1.3 Curriculum Enrichment
	Goals and National Education Policy - 2020 into the	
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and	
	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus	
	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability	
	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus	
Yes	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms	
Yes	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the	
Yes	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms	
Yes	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added	
Yes	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added programs	
Yes	Goals and National Education Policy - 2020 into the Curriculum List of courses for Human Values, Gender, and Professional Ethics with Syllabus List of courses for Environment and Sustainability with Syllabus List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms List of students and the attendance sheet for the above mentioned programs Programme brochure/notice for Value added programs Evidence of course completion 1.3.3 Does the programme have components of field	
Yes	Goals and National Education Policy - 2020 into the Curriculum > List of courses for Human Values, Gender, and Professional Ethics with Syllabus > List of courses for Environment and Sustainability with Syllabus > List of faculty members attending the course "Universal human values" 1.3.2 Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms > List of students and the attendance sheet for the above mentioned programs > Programme brochure/notice for Value added programs > Evidence of course completion 1.3.3 Does the programme have components of field projects / research projects / internships	



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	like Stude Academic pe		Employers, Alumni	,
	> Collect		forms – Students, Faculty, ni, Exit Survey	
	> Feedba	ack analysis repor	t	
	> Action	taken report on th	he feedback analysis	
- Maria Maria	level C		en report for Department n Advisory Committee and s	
1 11 1	Criteria	2 Teaching-learn	ning and Evaluation	1
2.1 Catering to Student	the students	s and organises	es the learning levels of special Programmes to needs of the student	
Diversity	> Remed	lial Classes Sched	ule	
	> Class (Committee Circula	rs and Minutes	
	> Mentor	r – Mentee Files		Yes
	> Placem	nent Courses offere	ed for slow learners	
	> Regula	tion R2018 - Fast	track System.	
	> NPTEL	Courses Registrat	tion and certificates	
	> GATE/	'CAT Programs		×
	2.1.2 Studen	it - Full time teac		
	Year		2021-22	
	No of studen		409	Yes
	➤ List sho	ns	students in each of the	
2.2			ds, such as experiential	
Teaching- Learning Process	methodologie experience	es are used fo and teachers us line resources for	ng and problem solving or enhancing learning se ICT- enabled tools r effective teaching and	
	Naan M Sample Indust	Mudhalvan courses e Industrial Project trial Visit Reports	,	Yes
	Techni	pative learning – ical Seminar for ting documents	M.E: Circular and other	



	 student psychological issues List of Active mentors Mentor allocation circulars Mentor Student Mapping Sample Counselling Forms 2.2.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution Academic Calendar 	Yes
2.3	> Teaching Plan The department has stated learning outcomes	
Student Performance and Learning Outcomes	(programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment with Action	Yes
	Taken Report ➤ Project Review Evaluation with Rubric	
	> Exit Survey sample forms	



	3.1.2 Teachers receiving national/ international fellowship/financial support by various agencie for advanced studies/ research Year 2021-22	
	Year 2021-22 Total number of teacher	
3.2 Resource Mobilization for Research	3.2.1 Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs Year Year Amount (INR in Lakhs)	h h il
	 List of Extramural funding received for research, Endowment Research Chairs received 	
	3.2.2 Number of research projects per teacher funded by government, non-government industry, corporate houses, international bodies Year 2021-22 Number of research projects per teacher	,
	3.2.3 Number of teachers recognised as research guides Year 2021-22 Recognised as research guides 3	Yes
3.3		_
Research Publications and Awards	3.3.1 List of candidates registered for Ph.D pe teacher Year 2021-22 Total Number of Candidate 5	Yes
11-12-11-	3.3.2 List of research papers in the Journal notified on UGC CARE list Year 2021-22 Total Number of Research paper 8	Yes
	> Copies of Full paper (with author and affiliation details)	d
	3.3.3 Total Number of books and chapters is edited volumes published	
	Year 2021-22	No



	 Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters 	
3.4 Consultancy	Revenue generated from consultancy and corporate training Year 2021-22 Amount (INR in Lakhs)	No
3.5 Collaboration	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research	No
	Year 2021-22 Total Number of MoUs Copies of documents indicating the functional	
estrolare.	MoUs > List of year wise activities with report Criteria 4 Infrastructure and Learning Resources	
4.1 Physical Facilities	Adequate infrastructure and other facilities > Details of Interactive Display & Smart Board > Details of Classrooms, Laboratory and list of	
	equipment including lab manual, Number of Computers available, list of software used for students 1. Classrooms – 6 2. Laboratory-3 3. Computer - 10	Yes
	Criteria 5 Student Support and Progression	
5.1 Student Support	 5.1.1 Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations Details of programmes like Career guidance programme, Placement Training 	Yes
m ration	> Reports with Photograph 5.1.2 Capacity development and skills enhancement activities are organised for improving students, capability.	No
	improving students' capability	110



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	➤ Report with Photographs on programmes conducted for awareness of trends	
5.2 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes
	> Technical Symposium	No
	> Class committee meeting	Yes
	> BOS minutes	Yes
	> BOG Sub committees circulars and Minutes	Yes
	(Student Representation)	
	(Student Representation) Criteria 6 Governance, Leadership and Management	
_	Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and	No
Faculty	Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial	No
Faculty Empowerment	Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies	No
Faculty Empowerment	Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies Year 2021-22 Total Number of Teacher 6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development	No
Faculty Empowerment	Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies Year 2021-22 Total Number of Teacher 6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development	No
Faculty Empowerment	Criteria 6 Governance, Leadership and Management 6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies Year 2021-22 Total Number of Teacher 6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development	

Overall Comments if any:

- Department has well-defined curriculum framework.
- Course content can also be included when remedial class is scheduled
- · Faculties are encouraged to take steps for research funding
- An initiative for generating revenue through consultancy is needed
- Steps may be taken to get MOUs with industries.



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EXTERNAL AUDIT REPORT 2021-22

24.10.2022

Part - 1: Preliminary Information

Name of the Department	:	Clubs
Address of the Institute	:	GCE, Salem
Date and time of visit	:	24.10.2022
Members of the Audit Committee	:	Signature
 Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503. 	:	Dromond. 10.22
 Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem 	•	P8001/194724/70/21

Part - 2: Academics Information

	Description	Jam Januar	Yes/ No
	Extension Activities		
NCC	Number of extension and outrest conducted by the institution	ach programs	
	Year	2021-22	
	Total number Program Conducted	6	Yes
	➤ Circular copy		
	List of Students with attendan	ce	
	Geotagged Photos		
	> Report of the program		2



NSS	The second of th	Mar.	
Number of extension and outreach programs conducted by the institution			
727	Year	2021-22	Yes
	Total number Program Conducted	7	in A
Rotary Club	Number of extension and outrea	ch programs	No
	Year	2021-22	No
	Total number Program Conducted		
Leo Club			
Number of extension and outreach programs conducted by the institution		Yes	
	Year	2021-22	103
	Year Total number Program Conducted	2021-22	103
Club and		2	No
Club and Green Campus	Number of extension and outrea conducted by the institution Year	2 ach programs	
Club and	Number of extension and outrea conducted by the institution Year	2 ch programs	No
Green Campus	Number of extension and outrea conducted by the institution Year Total number Program Conducted Number of extension and outrea	2 ch programs	



Youth Red Cross	Number of extension and outreach programs conducted by the institution		
	Year	2021-22	No
	Total number Program Conducted	7:	
Tamil Literary Association	Number of extension and outreac	h programs	D.
	Year	2021-22	No
	Total number Program Conducted		
English Literary Association	Number of extension and outreac conducted by the institution	h programs	Yes
	Year	2021-22	100
	Year Total number Program Conducted	2021-22	100
Students Union (Dance, Music and Arts Club)		h programs	No
Union (Dance, Music	Total number Program Conducted Number of extension and outreac	1	
Union (Dance, Music	Number of extension and outreac conducted by the institution	h programs	
Union	Number of extension and outreact conducted by the institution Year	1 h programs	No
Union (Dance, Music and Arts Club) Women Empowerment	Number of extension and outreact conducted by the institution Year Total number Program Conducted Number of extension and outreact conducted	1 h programs	



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SCIENCE ASSOCIATION	Number of extension and outreach programs conducted by the institution		N
	Year	2021-22	No
	Total number Program Conducted		
Sports Club	Number of extension and outread conducted by the institution	ch programs	No
Sports Club		ch programs	No

Overall Comments if any: