



**GOVERNMENT COLLEGE OF ENGINEERING,
SALEM-636011**

INTERNAL QUALITY ASSURANCE CELL

EXTERNAL AUDIT REPORT

2022-23

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

Member 1

Member 2

Date: 15.11.2023

Date: 15.11.2023

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/ 2022-2023/External Audit dated 13.10.2023.

With reference to the letter cited above, the external audit was carried out on 15.11.2023 to evaluate the academic performance and governance of your esteemed institution for the academic year 2022-2023. The report of the same is enclosed for your kind reference.

Thanking you

1. 
15.11.23

2. 
Yours faithfully,

**The report of the External Audit conducted on 15.11.2023 for the academic
2022-2023 at GCE Salem-11**

General Observations:

- Curriculum and Syllabi in all programs was revised in Regulation 2022.
- IQAC of this institution has taken steps to stream line the process in CO-PO & PSO attainment calculation by adopting common structure. OBE manual has been prepared and posted in college website. Collecting feedback online from students, faculty, alumni, parent and employer has been initiated and well maintained by IQAC. Academic internal audit and external audit has been conducted regularly by IQAC.
- Gender Audit has been initiated by IQAC to evaluate gender distribution student-wise, faculty -wise and technical staff wise. IQAC directed Women empowerment cell to evaluate the same.
- Initiative of Collaboration of TANSIM with CIBI has been taken to enhance entrepreneurship and employability skills among students.

Recommendations:


- National/International conferences were not conducted in the audit period, so it is recommended to organize it.
- Consultancy activities are being carried out only in civil department. Other department HODs are requested to initiate the same.
- Research funding from the faculty members is not available. So, it is recommended to get research funds from DST/UGC and any other government agencies.
- A course that is relevant to gender may be included in curriculum for all UG programmes, when next revision of curriculum happens.



EXTERNAL AUDIT REPORT 2022-2023

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Civil Engineering
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee	:	Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 memo 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	 15/11/23

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	Yes
	➤ Vision & Mission	
	➤ Programmme Educational Objectives (PEO)	
	➤ 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	



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

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	<ul style="list-style-type: none"> ➤ Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process 	
	<ul style="list-style-type: none"> ➤ Syllabi book for 2018 and 2022 Regulations 	
	<ul style="list-style-type: none"> ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p>	Yes
	<ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	
1.2 Academic Flexibility	<p>1.2.1 New courses introduced out of the total number of courses</p>	Yes
	<ul style="list-style-type: none"> ➤ List of new courses with syllabi for R2018 	
	<ul style="list-style-type: none"> ➤ Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018) 	
1.3 Curriculum Enrichment	<p>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</p>	Yes
	<ul style="list-style-type: none"> ➤ List of courses for Human Values, Gender, and Professional Ethics with Syllabus 	
	<ul style="list-style-type: none"> ➤ List of courses for Environment and Sustainability with Syllabus 	
	<ul style="list-style-type: none"> ➤ List of faculty members attending the course “Universal human values” 	
	<p>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</p>	Yes
	<ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs 	
	<ul style="list-style-type: none"> ➤ Programme brochure/notice for Value added programs 	
	<ul style="list-style-type: none"> ➤ Evidence of course completion 	
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p>	Yes



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	<ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG ➤ Internship completion letter – UG & PG 												
1.4 Feedback System	<p>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc.,</p> <ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	Yes											
Criteria 2 Teaching-learning and Evaluation													
2.1 Student Enrolment and Profile	<p>Enrolment percentage</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">2022-23</th> </tr> <tr> <th>UG</th> <th>PG</th> </tr> </thead> <tbody> <tr> <td>No of Seats sanctioned</td> <td align="center">120</td> <td align="center">18</td> </tr> <tr> <td>Filled</td> <td align="center">112</td> <td align="center">15</td> </tr> </tbody> </table>	Year	2022-23		UG	PG	No of Seats sanctioned	120	18	Filled	112	15	Yes
Year	2022-23												
	UG	PG											
No of Seats sanctioned	120	18											
Filled	112	15											
2.2 Catering to Student Diversity	<p>2.2.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student</p> <ul style="list-style-type: none"> ➤ Remedial Classes Schedule ➤ Class Committee Circulars and Minutes ➤ Mentor – Mentee Files ➤ Placement Courses offered for slow learners ➤ Regulation R2018 – Fast track System. ➤ NPTEL Courses Registration and certificates ➤ GATE/CAT Programs <p>2021.1.2 Student – Full time teacher ratio</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year</th> <th>2022-23</th> </tr> </thead> <tbody> <tr> <td>No of students</td> <td align="center">395</td> </tr> <tr> <td>Number of full time teachers</td> <td align="center">15</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ➤ List showing the number of students in each of the programs 	Year	2022-23	No of students	395	Number of full time teachers	15	Yes					
Year	2022-23												
No of students	395												
Number of full time teachers	15												



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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 learning process	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 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	Yes
	➤ List of Active mentors	
	➤ Mentor allocation circulars	
	➤ Mentor Student Mapping	
	2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution	Yes
➤ Academic Calendar		
➤ Teaching Plan		
2.4 Student Performance and Learning Outcomes	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
	➤ Course File for each course	
	➤ Overall CO-PO & PSO Attainment with Action Taken Report	
	➤ Project Review Evaluation with Rubric	



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	<ul style="list-style-type: none"> ➤ Exit Survey sample forms 					
	<p>2.4.2 Pass percentage of students</p> <ul style="list-style-type: none"> ➤ Departments: Result Analysis of all classes with chart <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Year</td> <td style="width: 50%; text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Number of Students Pass</td> <td style="text-align: center;">128</td> </tr> </table>	Year	2022-23	Number of Students Pass	128	Yes
Year	2022-23					
Number of Students Pass	128					
Criteria 3 Research, Innovations and Extension						
3.1 Promotion of Research and Facilities	<p>3.1.1 Amount of seed money provided by institution to its teachers for research.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Year</td> <td style="width: 50%; text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Amount (INR in Lakhs)</td> <td style="text-align: center;">-</td> </tr> </table> <ul style="list-style-type: none"> ➤ List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise ➤ Audited Income-Expenditure statement 	Year	2022-23	Amount (INR in Lakhs)	-	NO
Year	2022-23					
Amount (INR in Lakhs)	-					
	<p>3.1.2 Teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Year</td> <td style="width: 50%; text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total number of teacher</td> <td style="text-align: center;">-</td> </tr> </table>	Year	2022-23	Total number of teacher	-	NO
Year	2022-23					
Total number of teacher	-					
3.2 Resource Mobilization for Research	<p>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</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Year</td> <td style="width: 50%; text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Amount (INR in Lakhs)</td> <td style="text-align: center;">-</td> </tr> </table> <ul style="list-style-type: none"> ➤ List of Extramural funding received for research, Endowment Research Chairs received 	Year	2022-23	Amount (INR in Lakhs)	-	NO
Year	2022-23					
Amount (INR in Lakhs)	-					
	<p>3.2.2 Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Year</td> <td style="width: 50%; text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Number of research projects per teacher</td> <td style="text-align: center;">-</td> </tr> </table>	Year	2022-23	Number of research projects per teacher	-	No
Year	2022-23					
Number of research projects per teacher	-					



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	<p>3.2.3 Number of teachers recognised as research guides</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Recognised as research guides</td> <td>6</td> </tr> </table>	Year	2022-23	Recognised as research guides	6	Yes
Year	2022-23					
Recognised as research guides	6					
<p>3.3 Research Publications and Awards</p>	<p>3.3.1 List of candidates registered for Ph.D per teacher</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Candidate</td> <td>24</td> </tr> </table>	Year	2022-23	Total Number of Candidate	24	Yes
	Year	2022-23				
	Total Number of Candidate	24				
	<p>3.3.2 List of research papers in the Journals notified on UGC CARE list</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Research paper</td> <td>14</td> </tr> </table>	Year	2022-23	Total Number of Research paper	14	Yes
	Year	2022-23				
Total Number of Research paper	14					
<p>➤ Copies of Full paper (with author and affiliation details)</p>						
<p>3.3.3 Total Number of books and chapters in edited volumes published</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Books/Chapters</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of Books/Chapters	-	No	
Year	2022-23					
Total Number of Books/Chapters	-					
<p>➤ Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters</p>						
<p>3.4 Consultancy</p>	<p>Revenue generated from consultancy and corporate training</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>89.81</td> </tr> </table>	Year	2022-23	Amount (INR in Lakhs)	89.81	Yes
Year	2022-23					
Amount (INR in Lakhs)	89.81					
<p>3.5 Collaboration</p>	<p>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</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of MoUs</td> <td>1</td> </tr> </table>	Year	2022-23	Total Number of MoUs	1	Yes
	Year	2022-23				
	Total Number of MoUs	1				
<p>➤ Copies of documents indicating the functional MoUs</p>						
<p>➤ List of year wise activities with report</p>						



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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 – 8 2. Laboratory-11 3. Computer - 35	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 ➤ Reports with Photograph	Yes						
	5.1.2 Capacity development and skills enhancement activities are organised for improving students' capability							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Program</td> <td style="text-align: center;">-</td> </tr> </table> ➤ Report with Photographs on programmes conducted for awareness of trends	Year	2022-23	Total Number of Program	-	No		
Year	2022-23							
Total Number of Program	-							
5.2 Student Progression	5.2.1 Number of outgoing students placed and progressed to higher education							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Placed</td> <td style="text-align: center;">45</td> </tr> <tr> <td style="text-align: center;">Total Number of progressed to higher education</td> <td style="text-align: center;">5</td> </tr> </table>	Year	2022-23	Total Number of Students Placed	45	Total Number of progressed to higher education	5	Yes
	Year	2022-23						
	Total Number of Students Placed	45						
Total Number of progressed to higher education	5							
5.2.2 Number of students qualifying in state/national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.)								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Qualified</td> <td style="text-align: center;">-</td> </tr> </table>	Year	2022-23	Total Number of Students Qualified	-	No			
Year	2022-23							
Total Number of Students Qualified	-							
5.3 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes						
	➤ Technical Symposium	Yes						



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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	Yes		
	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Teacher</td> <td style="text-align: center;">3</td> </tr> </table>		Year	2022-23
Year	2022-23			
Total Number of Teacher	3			
	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)	Yes		
	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Teacher</td> <td style="text-align: center;">3</td> </tr> </table>		Year	2022-23
Year	2022-23			
Total Number of Teacher	3			
	➤ List of Faculty attended FDP/MDP			

Overall Comments if any:

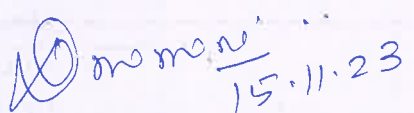



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15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Computer Science and Engineering
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee		Signature
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	➤ 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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	<ul style="list-style-type: none"> ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p> <ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	Yes
1.2 Academic Flexibility	<p>1.2.1 New courses introduced out of the total number of courses</p> <ul style="list-style-type: none"> ➤ 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	<p>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</p> <ul style="list-style-type: none"> ➤ 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
	<p>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</p> <ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs ➤ Programme brochure/notice for Value added programs ➤ Evidence of course completion 	Yes
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p> <ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG ➤ Internship completion letter – UG & PG 	Yes
1.4 Feedback System	<p>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers. Employers. Alumni. Academic peers etc.,</p> <ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey 	Yes



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	<ul style="list-style-type: none"> ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 		
Criteria 2 Teaching-learning and Evaluation			
2.1 Student Enrolment and Profile	Enrolment percentage		
	Year		2022-23
	No of Seats sanctioned		60
	Filled	5	
2.2 Catering to Student Diversity	2.2.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student	Yes	
	➤ Remedial Classes Schedule		
	➤ Class Committee Circulars and Minutes		
	➤ Mentor – Mentee Files		
	➤ Placement Courses offered for slow learners		
	➤ Regulation R2018 - Fast track System.		
	➤ NPTEL Courses Registration and certificates		
	➤ GATE/CAT Programs		
	2.2.2 Student - Full time teacher ratio	Yes	
	Year		2022-23
	No of students		174
	Number of full time teachers		11
	➤ List showing the number of students in each of the programs		
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 learning process	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		



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	<p>Learning through various social activities and technical association events: Invitation, Schedule, Attendance sheet and Report with Photographs</p> <ul style="list-style-type: none"> ➤ Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report ➤ SWAYAM/NPTEL Courses 					
	<p>2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues</p> <ul style="list-style-type: none"> ➤ List of Active mentors ➤ Mentor allocation circulars ➤ Mentor Student Mapping ➤ Sample Counselling Forms 	Yes				
	<p>2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution</p> <ul style="list-style-type: none"> ➤ Academic Calendar ➤ Teaching Plan 	Yes				
2.4 Student Performance and Learning Outcomes	<p>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</p> <ul style="list-style-type: none"> ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment with Action Taken Report ➤ Project Review Evaluation with Rubric ➤ Exit Survey sample forms 	Yes				
	<p>2.4.2 Pass percentage of students</p> <ul style="list-style-type: none"> ➤ Departments: Result Analysis of all classes with chart <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td align="center">Year</td> <td align="center">2022-23</td> </tr> <tr> <td align="center">Number of Students Pass</td> <td align="center">63</td> </tr> </table>	Year	2022-23	Number of Students Pass	63	Yes
Year	2022-23					
Number of Students Pass	63					



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Criteria 3 Research, Innovations and Extension						
3.1 Promotion of Research and Facilities	3.1.1 Amount of seed money provided by institution to its teachers for research. <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Amount (INR in Lakhs)</td> <td style="text-align: center;">-</td> </tr> </table> <p style="margin-top: 10px;"> > List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise > Audited Income-Expenditure statement </p>	Year	2022-23	Amount (INR in Lakhs)	-	NO
	Year	2022-23				
Amount (INR in Lakhs)	-					
3.1.2 Teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total number of teacher</td> <td style="text-align: center;">-</td> </tr> </table>	Year	2022-23	Total number of teacher	-	NO	
Year	2022-23					
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 <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Amount (INR in Lakhs)</td> <td style="text-align: center;">-</td> </tr> </table> <p style="margin-top: 10px;"> > List of Extramural funding received for research, Endowment Research Chairs received </p>	Year	2022-23	Amount (INR in Lakhs)	-	NO
	Year	2022-23				
	Amount (INR in Lakhs)	-				
3.2.2 Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Number of research projects per teacher</td> <td style="text-align: center;">-</td> </tr> </table>	Year	2022-23	Number of research projects per teacher	-	No	
Year	2022-23					
Number of research projects per teacher	-					
3.2.3 Number of teachers recognised as research guides <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Recognised as research guides</td> <td style="text-align: center;">2</td> </tr> </table>	Year	2022-23	Recognised as research guides	2	Yes	
Year	2022-23					
Recognised as research guides	2					
3.3 Research Publications and Awards	3.3.1 List of candidates registered for Ph.D per teacher <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Candidate</td> <td style="text-align: center;">15</td> </tr> </table>	Year	2022-23	Total Number of Candidate	15	Yes
Year	2022-23					
Total Number of Candidate	15					



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	3.3.2 List of research papers in the Journals notified on UGC CARE list <table border="1" style="width:100%"> <tr> <td style="text-align:center">Year</td> <td style="text-align:center">2022-23</td> </tr> <tr> <td style="text-align:center">Total Number of Research paper</td> <td style="text-align:center">9</td> </tr> </table>	Year	2022-23	Total Number of Research paper	9	Yes
Year	2022-23					
Total Number of Research paper	9					
	<ul style="list-style-type: none"> ➤ Copies of Full paper (with author and affiliation details) 					
	3.3.3 Total Number of books and chapters in edited volumes published <table border="1" style="width:100%"> <tr> <td style="text-align:center">Year</td> <td style="text-align:center">2022-23</td> </tr> <tr> <td style="text-align:center">Total Number of Books/Chapters</td> <td style="text-align:center">-</td> </tr> </table>	Year	2022-23	Total Number of Books/Chapters	-	No
Year	2022-23					
Total Number of Books/Chapters	-					
	<ul style="list-style-type: none"> ➤ 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 <table border="1" style="width:100%"> <tr> <td style="text-align:center">Year</td> <td style="text-align:center">2022-23</td> </tr> <tr> <td style="text-align:center">Amount (INR in Lakhs)</td> <td style="text-align:center">-</td> </tr> </table>	Year	2022-23	Amount (INR in Lakhs)	-	No
Year	2022-23					
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 <table border="1" style="width:100%"> <tr> <td style="text-align:center">Year</td> <td style="text-align:center">2022-23</td> </tr> <tr> <td style="text-align:center">Total Number of MoUs</td> <td style="text-align:center">3</td> </tr> </table>	Year	2022-23	Total Number of MoUs	3	Yes
Year	2022-23					
Total Number of MoUs	3					
	<ul style="list-style-type: none"> ➤ Copies of documents indicating the functional MoUs 					
	<ul style="list-style-type: none"> ➤ List of year wise activities with report 					
Criteria 4 Infrastructure and Learning Resources						
4.1 Physical Facilities	Adequate infrastructure and other facilities <ul style="list-style-type: none"> ➤ 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 	Yes				



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Criteria 5 Student Support and Progression								
5.1 Student Support	Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations	Yes						
	<ul style="list-style-type: none"> ➤ Details of programmes like Career guidance programme, Placement Training ➤ Reports with Photograph 							
	Capacity development and skills enhancement activities are organised for improving students' capability	NO						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Program</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Program	-		
Year	2022-23							
Total Number of Program	-							
<ul style="list-style-type: none"> ➤ Report with Photographs on programmes conducted for awareness of trends 								
5.2 Student Progression	5.2.1 Number of outgoing students placed and progressed to higher education	Yes						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Placed</td> <td style="text-align: center;">39</td> </tr> <tr> <td style="text-align: center;">Total Number of progressed to higher education</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Students Placed	39	Total Number of progressed to higher education	-
	Year		2022-23					
	Total Number of Students Placed	39						
	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							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Qualified</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Students Qualified	-			
Year	2022-23							
Total Number of Students Qualified	-							
5.3 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes						
	<ul style="list-style-type: none"> ➤ Technical Symposium 	Yes						
	<ul style="list-style-type: none"> ➤ Class committee meeting 	Yes						
	<ul style="list-style-type: none"> ➤ BOS minutes 	Yes						
	<ul style="list-style-type: none"> ➤ BOG Sub committees circulars and Minutes (Student Representation) 	Yes						



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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	Yes
	Year	2022-23
	Total Number of Teacher	1
	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)	Yes
	Year	2022-23
	Total Number of Teacher	4
	➤ List of Faculty attended FDP/MDP	

Overall Comments if any:



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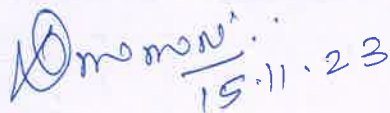

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EXTERNAL AUDIT REPORT 2022-23

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Electronics and Communication Engineering
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee		Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	 15.11

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	Yes
	➤ Vision & Mission	
	➤ Programmme Educational Objectives (PEO)	
	➤ 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	
	➤ Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process	



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	<ul style="list-style-type: none"> ➤ Syllabi book for 2018 and 2022 Regulations ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p> <ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	Yes
1.2 Academic Flexibility	<p>1.2.1 New courses introduced out of the total number of courses</p> <ul style="list-style-type: none"> ➤ 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	<p>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</p> <ul style="list-style-type: none"> ➤ 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
	<p>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</p> <ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs ➤ Programme brochure/notice for Value added programs ➤ Evidence of course completion 	Yes
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p> <ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG ➤ Internship completion letter – UG & PG 	Yes



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1.4 Feedback System	Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., <ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	Yes												
Criteria 2 Teaching-learning and Evaluation														
2.1 Student Enrolment and Profile	Enrolment percentage <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 60%;">Year</td> <td colspan="2">2022-23</td> </tr> <tr> <td></td> <td>UG</td> <td>PG</td> </tr> <tr> <td>No of Seats sanctioned</td> <td>60</td> <td>18</td> </tr> <tr> <td>Filled</td> <td>48</td> <td>2</td> </tr> </table>	Year	2022-23			UG	PG	No of Seats sanctioned	60	18	Filled	48	2	
Year	2022-23													
	UG	PG												
No of Seats sanctioned	60	18												
Filled	48	2												
2.2 Catering to Student Diversity	2.2.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student <ul style="list-style-type: none"> ➤ Remedial Classes Schedule ➤ Class Committee Circulars and Minutes ➤ Mentor – Mentee Files ➤ Placement Courses offered for slow learners ➤ Regulation R2018 - Fast track System. ➤ NPTEL Courses Registration and certificates ➤ GATE/CAT Programs 	Yes												
	2.2.2 Student - Full time teacher ratio <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 60%;">Year</td> <td colspan="2">2022-23</td> </tr> <tr> <td>No of students</td> <td colspan="2">185</td> </tr> <tr> <td>Number of full time teachers</td> <td colspan="2">10</td> </tr> </table> <ul style="list-style-type: none"> ➤ List showing the number of students in each of the programs 	Year	2022-23		No of students	185		Number of full time teachers	10		Yes			
Year	2022-23													
No of students	185													
Number of full time teachers	10													
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 learning process	Yes												



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	<ul style="list-style-type: none"> ➤ Experiential learning – Sample Internship letter, Naan Mudhalvan courses, Sample Industrial Project, if any Industrial Visit Reports 	
	<ul style="list-style-type: none"> ➤ 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 	
	<ul style="list-style-type: none"> ➤ Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report 	
	<ul style="list-style-type: none"> ➤ SWAYAM/NPTEL Courses 	
	<p>2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues</p>	
	<ul style="list-style-type: none"> ➤ List of Active mentors 	Yes
	<ul style="list-style-type: none"> ➤ Mentor allocation circulars 	
	<ul style="list-style-type: none"> ➤ Mentor Student Mapping 	
	<ul style="list-style-type: none"> ➤ Sample Counselling Forms 	
	<p>2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution</p>	
	<ul style="list-style-type: none"> ➤ Academic Calendar 	Yes
	<ul style="list-style-type: none"> ➤ Teaching Plan 	
<p>2.4 Student Performance and Learning Outcomes</p>	<p>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</p>	
	<ul style="list-style-type: none"> ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment with Action Taken Report 	Yes
	<ul style="list-style-type: none"> ➤ Project Review Evaluation with Rubric 	
	<ul style="list-style-type: none"> ➤ Exit Survey sample forms 	



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	<p>2.4.2 Pass percentage of students</p> <p>➤ Departments: Result Analysis of all classes with chart</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of Students Pass</td> <td>66</td> </tr> </table>	Year	2022-23	Number of Students Pass	66	Yes
Year	2022-23					
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	Year	2022-23				
Amount (INR in Lakhs)	-					
<p>3.1.2 Teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total number of teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Total number of teacher	-	NO	
Year	2022-23					
Total number of teacher	-					
3.2 Resource Mobilization for Research	<p>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</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of Extramural funding received for research, Endowment Research Chairs received</p>	Year	2022-23	Amount (INR in Lakhs)	-	NO
	Year	2022-23				
	Amount (INR in Lakhs)	-				
<p>3.2.2 Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of research projects per teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Number of research projects per teacher	-	No	
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Year	2022-23					
Recognised as research guides	2					



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3.3 Research Publications and Awards	3.3.1 List of candidates registered for Ph.D per teacher	Yes				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Candidate</td> <td>20</td> </tr> </table>	Year	2022-23	Total Number of Candidate	20	
	Year	2022-23				
	Total Number of Candidate	20				
	3.3.2 List of research papers in the Journals notified on UGC CARE list	Yes				
<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Research paper</td> <td>34</td> </tr> </table>	Year	2022-23	Total Number of Research paper	34		
Year	2022-23					
Total Number of Research paper	34					
➤ Copies of Full paper (with author and affiliation details)						
	3.3.3 Total Number of books and chapters in edited volumes published	Yes				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Books/Chapters</td> <td>1</td> </tr> </table>	Year	2022-23	Total Number of Books/Chapters	1	
	Year	2022-23				
Total Number of Books/Chapters	1					
➤ 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	No				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table>	Year	2022-23	Amount (INR in Lakhs)	-	
Year	2022-23					
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	No				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of MoUs</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of MoUs	-	
Year	2022-23					
Total Number of MoUs	-					
	➤ Copies of documents indicating the functional 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	Yes				



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	Computers available, list of software used for students 1. Classrooms – 5 2. Laboratory-6 3. Computer - 77							
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						
	<ul style="list-style-type: none"> ➤ 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	No						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Program</td> <td style="text-align: center;">-</td> </tr> </table>	Year		2022-23	Total Number of Program	-			
Year	2022-23							
Total Number of Program	-							
<ul style="list-style-type: none"> ➤ Report with Photographs on programmes conducted for awareness of trends 								
5.2 Student Progression	5.2.1 Number of outgoing students placed and progressed to higher education	Yes						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Placed</td> <td style="text-align: center;">34</td> </tr> <tr> <td style="text-align: center;">Total Number of progressed to higher education</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Students Placed	34	Total Number of progressed to higher education	-
	Year		2022-23					
Total Number of Students Placed	34							
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							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Qualified</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Students Qualified	-			
Year	2022-23							
Total Number of Students Qualified	-							
5.3 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes						
	<ul style="list-style-type: none"> ➤ Technical Symposium 	Yes						
	<ul style="list-style-type: none"> ➤ Class committee meeting 	Yes						
	<ul style="list-style-type: none"> ➤ BOS minutes 	Yes						
	<ul style="list-style-type: none"> ➤ DOG Sub committees circulars and Minutes (Student Representation) 	Yes						



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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	Yes
	Year	2022-23
	Total Number of Teacher	3
	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)	Yes
	Year	2022-23
	Total Number of Teacher	6
	➤ List of Faculty attended FDP/MDP	

Overall Comments if any:

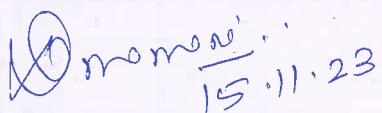
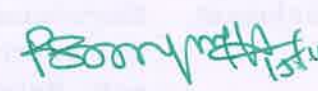
- Department has well-defined curriculum framework.
- Course content can also be included when remedial class is scheduled.
- Faculties are encouraged to take steps for research funding.



EXTERNAL AUDIT REPORT 2022-23

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Electrical and Electronics Engineering
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee	:	Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	 15/11/23

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	Yes
	➤ Vision & Mission	
	➤ Programmme Educational Objectives (PEO)	
	➤ 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	
	➤ Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process	
➤ Syllabi book for 2018 and 2022 Regulations		



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	<ul style="list-style-type: none"> ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p>	Yes
	<ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	
1.2 Academic Flexibility	<p>New courses introduced out of the total number of courses</p>	
	<ul style="list-style-type: none"> ➤ List of new courses with syllabi for R2018 	Yes
	<ul style="list-style-type: none"> ➤ Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018) 	
1.3 Curriculum Enrichment	<p>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</p>	Yes
	<ul style="list-style-type: none"> ➤ List of courses for Human Values, Gender, and Professional Ethics with Syllabus 	
	<ul style="list-style-type: none"> ➤ List of courses for Environment and Sustainability with Syllabus 	
	<ul style="list-style-type: none"> ➤ List of faculty members attending the course “Universal human values” 	
	<p>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</p>	Yes
	<ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs 	
	<ul style="list-style-type: none"> ➤ Programme brochure/notice for Value added programs 	
	<ul style="list-style-type: none"> ➤ Evidence of course completion 	
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p>	Yes
	<ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG 	
	<ul style="list-style-type: none"> ➤ Internship completion letter – UG & PG 	
1.4 Feedback System	<p>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc.,</p>	Yes
	<ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey 	



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	<ul style="list-style-type: none"> ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 													
Criteria 2 Teaching-learning and Evaluation														
2.1 Student Enrolment and Profile	Enrolment percentage	Yes												
	<table border="1"> <thead> <tr> <th>Year</th> <th colspan="2">2022-23</th> </tr> <tr> <td></td> <th>UG</th> <th>PG</th> </tr> </thead> <tbody> <tr> <td>No of Seats sanctioned</td> <td align="center">60</td> <td align="center">18</td> </tr> <tr> <td>Filled</td> <td align="center">59</td> <td align="center">7</td> </tr> </tbody> </table>		Year	2022-23			UG	PG	No of Seats sanctioned	60	18	Filled	59	7
	Year		2022-23											
			UG	PG										
No of Seats sanctioned	60	18												
Filled	59	7												
2.2 Catering to Student Diversity	2.2.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student	Yes												
	<ul style="list-style-type: none"> ➤ Remedial Classes Schedule ➤ Class Committee Circulars and Minutes ➤ Mentor – Mentee Files ➤ Placement Courses offered for slow learners ➤ Regulation R2018 - Fast track System. ➤ NPTEL Courses Registration and certificates ➤ GATE/CAT Programs 													
2.3 Teaching- Learning Process	2.2.2 Student - Full time teacher ratio	Yes												
	<table border="1"> <thead> <tr> <th>Year</th> <th>2022-23</th> </tr> </thead> <tbody> <tr> <td>No of students</td> <td align="center">200</td> </tr> <tr> <td>Number of full time teachers</td> <td align="center">12</td> </tr> </tbody> </table>		Year	2022-23	No of students	200	Number of full time teachers	12						
	Year		2022-23											
	No of students		200											
Number of full time teachers	12													
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 learning process	Yes												
	<ul style="list-style-type: none"> ➤ Experiential learning – Sample Internship letter, Naan Mudhalvan courses, Sample Industrial Project, if any Industrial Visit Reports ➤ Participative learning – 													



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	<p>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</p> <p>➤ Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report</p> <p>➤ SWAYAM/NPTEL Courses</p>					
	<p>2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues</p> <p>➤ List of Active mentors</p> <p>➤ Mentor allocation circulars</p> <p>➤ Mentor Student Mapping</p> <p>➤ Sample Counselling Forms</p>	Yes				
	<p>2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution</p> <p>➤ Academic Calendar</p> <p>➤ Teaching Plan</p>	Yes				
<p>2.4 Student Performance and Learning Outcomes</p>	<p>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</p> <p>➤ Course File for each course</p> <p>➤ Overall CO-PO & PSO Attainment with Action Taken Report</p> <p>➤ Project Review Evaluation with Rubric</p> <p>➤ Exit Survey sample forms</p>	Yes				
	<p>2.4.2 Pass percentage of students</p> <p>➤ Departments: Result Analysis of all classes with chart</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of Students Pass</td> <td>68</td> </tr> </tbody> </table>	Year	2022-23	Number of Students Pass	68	Yes
	Year	2022-23				
	Number of Students Pass	68				
Criteria 3 Research, Innovations and Extension						



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3.1 Promotion of Research and Facilities	3.1.1 Amount of seed money provided by institution to its teachers for research.	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise ➤ Audited Income-Expenditure statement</p>	Year	2022-23	Amount (INR in Lakhs)	-	NO
	Year	2022-23					
Amount (INR in Lakhs)	-						
	3.1.2 Teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total number of teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Total number of teacher	-	NO
Year	2022-23						
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	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of Extramural funding received for research, Endowment Research Chairs received</p>	Year	2022-23	Amount (INR in Lakhs)	-	NO
	Year	2022-23					
	Amount (INR in Lakhs)	-					
3.2.2 Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of research projects per teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Number of research projects per teacher	-	No	
Year	2022-23						
Number of research projects per teacher	-						
	3.2.3 Number of teachers recognised as research guides	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Recognised as research guides</td> <td>7</td> </tr> </table>	Year	2022-23	Recognised as research guides	7	Yes
Year	2022-23						
Recognised as research guides	7						
3.3 Research Publications and Awards	3.3.1 List of candidates registered for Ph.D per teacher	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Candidate</td> <td>28</td> </tr> </table>	Year	2022-23	Total Number of Candidate	28	Yes
	Year	2022-23					
Total Number of Candidate	28						
	3.3.2 List of research papers in the Journals notified on UGC CARE list	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Research paper</td> <td>34</td> </tr> </table>	Year	2022-23	Total Number of Research paper	34	Yes
Year	2022-23						
Total Number of Research paper	34						



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	<ul style="list-style-type: none"> ➤ Copies of Full paper (with author and affiliation details) 					
	<p>3.3.3 Total Number of books and chapters in edited volumes published</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Books/Chapters</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of Books/Chapters	-	No
Year	2022-23					
Total Number of Books/Chapters	-					
	<ul style="list-style-type: none"> ➤ 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	<p>Revenue generated from consultancy and corporate training</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table>	Year	2022-23	Amount (INR in Lakhs)	-	No
Year	2022-23					
Amount (INR in Lakhs)	-					
3.5 Collaboration	<p>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</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of MoUs</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of MoUs	-	No
Year	2022-23					
Total Number of MoUs	-					
	<ul style="list-style-type: none"> ➤ Copies of documents indicating the functional MoUs ➤ List of year wise activities with report 					
Criteria 4 Infrastructure and Learning Resources						
4.1 Physical Facilities	<p>Adequate infrastructure and other facilities</p> <ul style="list-style-type: none"> ➤ 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 <ol style="list-style-type: none"> 1. Classrooms – 7 2. Laboratory-17 3. Computer - 40 	Yes				
Criteria 5 Student Support and Progression						
5.1 Student Support	<p>5.1.1 Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations</p> <ul style="list-style-type: none"> ➤ Details of programmes like Career guidance programme, Placement Training 	Yes				



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	<p>➤ Reports with Photograph</p> <p>5.1.2 Capacity development and skills enhancement activities are organised for improving students' capability</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Program</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of Program	-	No		
Year	2022-23							
Total Number of Program	-							
	<p>➤ Report with Photographs on programmes conducted for awareness of trends</p>							
5.2 Student Progression	<p>5.2.1 Number of outgoing students placed and progressed to higher education</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Students Placed</td> <td>42</td> </tr> <tr> <td>Total Number of progressed to higher education</td> <td>3</td> </tr> </table>	Year	2022-23	Total Number of Students Placed	42	Total Number of progressed to higher education	3	Yes
Year	2022-23							
Total Number of Students Placed	42							
Total Number of progressed to higher education	3							
	<p>5.2.2 Number of students qualifying in state/national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.)</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Students Qualified</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of Students Qualified	-	No		
Year	2022-23							
Total Number of Students Qualified	-							
5.3 Student Participation and Activities	<p>Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.</p>	Yes						
	<p>➤ Technical Symposium</p>	Yes						
	<p>➤ Class committee meeting</p>	Yes						
	<p>➤ BOS minutes</p>	Yes						
	<p>➤ BOG Sub committees circulars and Minutes (Student Representation)</p>	Yes						
Criteria 6 Governance, Leadership and Management								
6.1 Faculty Empowerment Strategies	<p>6.1.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Teacher</td> <td>1</td> </tr> </table>	Year	2022-23	Total Number of Teacher	1	Yes		
Year	2022-23							
Total Number of Teacher	1							



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	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)	Yes	
	Year		2022-23
	Total Number of Teacher		6
	➤ List of Faculty attended FDP/MDP		

Overall Comments if any:

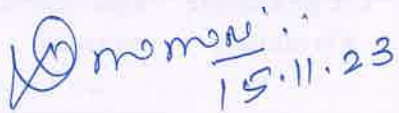

1. It is recommended to take steps for generating revenue through consultancy works.
2. Steps may be taken to get MOUs with industries.
3. Extra classes may be conducted help students for higher studies.



EXTERNAL AUDIT REPORT 2022-23

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Mechanical Engineering
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee		Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	 15/11

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	Yes
	➤ Vision & Mission	
	➤ Programmme Educational Objectives (PEO)	
	➤ 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	
	➤ Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process	



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	<ul style="list-style-type: none"> ➤ Syllabi book for 2018 and 2022 Regulations ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p> <ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	Yes
1.2 Academic Flexibility	<p>New courses introduced out of the total number of courses</p> <ul style="list-style-type: none"> ➤ List of new courses with syllabi for R2018 ➤ Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses (R2018) 	Yes
	<p>1.3 Curriculum Enrichment</p> <p>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</p> <ul style="list-style-type: none"> ➤ 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
	<p>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</p> <ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs ➤ Programme brochure/notice for Value added programs ➤ Evidence of course completion 	Yes
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p> <ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG ➤ Internship completion letter – UG & PG 	Yes



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1.4 Feedback System	Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., <ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	Yes												
Criteria 2 Teaching-learning and Evaluation														
2.1 Student Enrolment and Profile	Enrolment percentage <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50%;">Year</td> <td colspan="2">2022-23</td> </tr> <tr> <td></td> <td>UG</td> <td>PG</td> </tr> <tr> <td>No of Seats sanctioned</td> <td>120</td> <td>36</td> </tr> <tr> <td>Filled</td> <td>104</td> <td>7</td> </tr> </table>	Year	2022-23			UG	PG	No of Seats sanctioned	120	36	Filled	104	7	
Year	2022-23													
	UG	PG												
No of Seats sanctioned	120	36												
Filled	104	7												
2.2 Catering to Student Diversity	2.2.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student <ul style="list-style-type: none"> ➤ Remedial Classes Schedule ➤ Class Committee Circulars and Minutes ➤ Mentor – Mentee Files ➤ Placement Courses offered for slow learners ➤ Regulation R2018 - Fast track System. ➤ NPTEL Courses Registration and certificates ➤ GATE/CAT Programs 2.2.2 Student - Full time teacher ratio <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50%;">Year</td> <td colspan="2">2022-23</td> </tr> <tr> <td>No of students</td> <td colspan="2">375</td> </tr> <tr> <td>Number of full time teachers</td> <td colspan="2">22</td> </tr> </table> <ul style="list-style-type: none"> ➤ List showing the number of students in each of the programs 	Year	2022-23		No of students	375		Number of full time teachers	22		Yes			
Year	2022-23													
No of students	375													
Number of full time teachers	22													
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	Yes												



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	<p>including online resources for effective teaching and learning process</p> <ul style="list-style-type: none"> ➤ 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 	
	<p>2.3.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues</p> <ul style="list-style-type: none"> ➤ List of Active mentors ➤ Mentor allocation circulars ➤ Mentor Student Mapping ➤ Sample Counselling Forms 	Yes
	<p>2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution</p> <ul style="list-style-type: none"> ➤ Academic Calendar ➤ Teaching Plan 	Yes
2.4 Student Performance and Learning Outcomes	<p>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</p> <ul style="list-style-type: none"> ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment with Action Taken Report ➤ Project Review Evaluation with Rubric ➤ Exit Survey sample forms 	Yes
	<p>2.4.2 Pass percentage of students</p>	Yes



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	<p>➤ Departments: Result Analysis of all classes with chart</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of Students Pass</td> <td>132</td> </tr> </table>	Year	2022-23	Number of Students Pass	132	
Year	2022-23					
Number of Students Pass	132					
Criteria 3 Research, Innovations and Extension						
<p>3.1 Promotion of Research and Facilities</p>	<p>3.1.1 Amount of seed money provided by institution to its teachers for research.</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise ➤ Audited Income-Expenditure statement</p>	Year	2022-23	Amount (INR in Lakhs)	-	No
	Year	2022-23				
Amount (INR in Lakhs)	-					
	<p>3.1.2 Teachers receiving national/international fellowship/financial support by various agencies for advanced studies/ research</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total number of teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Total number of teacher	-	No
Year	2022-23					
Total number of teacher	-					
<p>3.2 Resource Mobilization for Research</p>	<p>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</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of Extramural funding received for research, Endowment Research Chairs received</p>	Year	2022-23	Amount (INR in Lakhs)	-	No
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	Amount (INR in Lakhs)	-				
<p>3.2.2 Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of research projects per teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Number of research projects per teacher	-	No	
Year	2022-23					
Number of research projects per teacher	-					
	<p>3.2.3 Number of teachers recognised as research guides</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Recognised as research guides</td> <td>7</td> </tr> </table>	Year	2022-23	Recognised as research guides	7	Yes
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3.3 Research Publications and Awards	3.3.1 List of candidates registered for Ph.D per teacher	Yes			
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Candidate</td> <td>20</td> </tr> </table>		Year	2022-23	Total Number of Candidate
	Year	2022-23			
	Total Number of Candidate	20			
	3.3.2 List of research papers in the Journals notified on UGC CARE list	Yes			
<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Research paper</td> <td>32</td> </tr> </table>	Year		2022-23	Total Number of Research paper	32
Year	2022-23				
Total Number of Research paper	32				
➤ Copies of Full paper (with author and affiliation details)					
3.4 Consultancy	3.3.3 Total Number of books and chapters in edited volumes published	No			
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Books/Chapters</td> <td>-</td> </tr> </table>		Year	2022-23	Total Number of Books/Chapters
	Year	2022-23			
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	No			
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table>		Year	2022-23	Amount (INR in Lakhs)
Year	2022-23				
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	No			
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of MoUs</td> <td>-</td> </tr> </table>		Year	2022-23	Total Number of MoUs
	Year	2022-23			
	Total Number of MoUs	-			
➤ Copies of documents indicating the functional MoUs					
➤ List of year wise activities with report					
Criteria 4 Infrastructure and Learning Resources					
4.1 Physical Facilities	Adequate infrastructure and other facilities	Yes			
	➤ Details of Interactive Display & Smart Board				
	➤ Details of Classrooms, Laboratory and list of equipment including lab manual, Number of				



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	Computers available, list of software used for students 1. Classrooms – 8 2. Laboratory-10 3. Computer - 65							
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						
	<ul style="list-style-type: none"> ➤ 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	No						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Program</td> <td style="text-align: center;">-</td> </tr> </table>	Year		2022-23	Total Number of Program	-			
Year	2022-23							
Total Number of Program	-							
<ul style="list-style-type: none"> ➤ Report with Photographs on programmes conducted for awareness of trends 								
5.2 Student Progression	5.2.1 Number of outgoing students placed and progressed to higher education	Yes						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Placed</td> <td style="text-align: center;">77</td> </tr> <tr> <td style="text-align: center;">Total Number of progressed to higher education</td> <td style="text-align: center;">2</td> </tr> </table>		Year	2022-23	Total Number of Students Placed	77	Total Number of progressed to higher education	2
	Year		2022-23					
	Total Number of Students Placed	77						
Total Number of progressed to higher education	2							
5.2.2 Number of students qualifying in state/national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.)	No							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Qualified</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Students Qualified	-			
Year	2022-23							
Total Number of Students Qualified	-							
5.3 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes						
	<ul style="list-style-type: none"> ➤ Technical Symposium 	Yes						
	<ul style="list-style-type: none"> ➤ Class committee meeting 	Yes						
	<ul style="list-style-type: none"> ➤ BOS minutes 	Yes						
	<ul style="list-style-type: none"> ➤ BOG Sub committees circulars and Minutes (Student Representation) 	Yes						



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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	Yes
	Year	2022-23
	Total Number of Teacher	1
	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)	Yes
	Year	2022-23
	Total Number of Teacher	4
	➤ List of Faculty attended FDP/MDP	

Overall Comments if any:

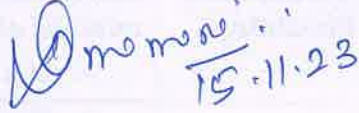
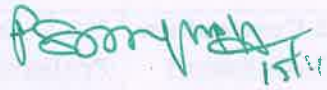
- Department has well-defined curriculum framework.
- Course content can also be included when remedial class is scheduled
- Faculties are encouraged to take steps for research funding
- An initiative for generating revenue through consultancy is needed
- Steps may be taken to get MOUs with industries.



EXTERNAL AUDIT REPORT 2022-23

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Metallurgical Engineering
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee		Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	 15.11.23

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	Yes
	➤ Vision & Mission	
	➤ Programme Educational Objectives (PEO)	
	➤ 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	
	➤ Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process	



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	<ul style="list-style-type: none"> ➤ Syllabi book for 2018 and 2022 Regulations ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p> <ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	Yes
1.2 Academic Flexibility	<p>1.2.1 New courses introduced out of the total number of courses</p> <ul style="list-style-type: none"> ➤ 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	<p>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</p> <ul style="list-style-type: none"> ➤ 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
	<p>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</p> <ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs ➤ Programme brochure/notice for Value added programs ➤ Evidence of course completion 	Yes
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p> <ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG ➤ Internship completion letter – UG & PG 	Yes



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<p>1.4 Feedback System</p>	<p>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc.,</p> <ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	<p align="center">Yes</p>												
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No of Seats sanctioned	60	18												
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<p>2.2 Catering to Student Diversity</p>	<p>2.2.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student</p> <ul style="list-style-type: none"> ➤ Remedial Classes Schedule ➤ Class Committee Circulars and Minutes ➤ Mentor – Mentee Files ➤ Placement Courses offered for slow learners ➤ Regulation R2018 - Fast track System. ➤ NPTEL Courses Registration and certificates ➤ GATE/CAT Programs 	<p align="center">Yes</p>												
	<p>2.2.2 Student - Full time teacher ratio</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Year</th> <th colspan="2" style="text-align: center;">2022-23</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">No of students</td> <td align="center" colspan="2">182</td> </tr> <tr> <td style="text-align: center;">Number of full time teachers</td> <td align="center" colspan="2">9</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ➤ List showing the number of students in each of the programs 	Year	2022-23		No of students	182		Number of full time teachers	9		<p align="center">Yes</p>			
Year	2022-23													
No of students	182													
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<p>2.3 Teaching-Learning Process</p>	<p>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</p>	<p align="center">Yes</p>												



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	<p>2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution</p> <ul style="list-style-type: none"> ➤ Academic Calendar ➤ Teaching Plan 	Yes
<p>2.4 Student Performance and Learning Outcomes</p>	<p>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</p> <ul style="list-style-type: none"> ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment with Action Taken Report ➤ Project Review Evaluation with Rubric ➤ Exit Survey sample forms 	Yes



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	<p>2.4.2 Pass percentage of students</p> <p>➤ Departments: Result Analysis of all classes with chart</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of Students Pass</td> <td>57</td> </tr> </table>	Year	2022-23	Number of Students Pass	57	Yes
Year	2022-23					
Number of Students Pass	57					
Criteria 3 Research, Innovations and Extension						
3.1 Promotion of Research and Facilities	<p>3.1.1 Amount of seed money provided by institution to its teachers for research.</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise</p> <p>➤ Audited Income-Expenditure statement</p>	Year	2022-23	Amount (INR in Lakhs)	-	No
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Amount (INR in Lakhs)	-					
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Year	2022-23					
Recognised as research guides	1					



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	Year	2022-23				
	Total Number of Candidate	2				
3.3.2 List of research papers in the Journals notified on UGC CARE list	Yes					
<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Research paper</td> <td>18</td> </tr> </table> <p>➤ Copies of Full paper (with author and affiliation details)</p>	Year	2022-23	Total Number of Research paper	18		
Year	2022-23					
Total Number of Research paper	18					
	3.3.3 Total Number of books and chapters in edited volumes published	No				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Books/Chapters</td> <td>-</td> </tr> </table> <p>➤ Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters</p>	Year	2022-23	Total Number of Books/Chapters	-	
	Year	2022-23				
Total Number of Books/Chapters	-					
3.4 Consultancy	Revenue generated from consultancy and corporate training	No				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table>	Year	2022-23	Amount (INR in Lakhs)	-	
Year	2022-23					
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	Yes				
	<table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of MoUs</td> <td>1</td> </tr> </table> <p>➤ Copies of documents indicating the functional MoUs</p> <p>➤ List of year wise activities with report</p>	Year	2022-23	Total Number of MoUs	1	
	Year	2022-23				
Total Number of MoUs	1					
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	Yes				



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	Computers available, list of software used for students 1. Classrooms – 6 2. Laboratory-10 3. Computer - 41							
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						
	<ul style="list-style-type: none"> ➤ 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	No						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Program</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Program	-		
	Year		2022-23					
Total Number of Program	-							
<ul style="list-style-type: none"> ➤ Report with Photographs on programmes conducted for awareness of trends 								
5.2 Student Progression	5.2.1 Number of outgoing students placed and progressed to higher education	Yes						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Placed</td> <td style="text-align: center;">54</td> </tr> <tr> <td style="text-align: center;">Total Number of progressed to higher education</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Students Placed	54	Total Number of progressed to higher education	-
	Year		2022-23					
Total Number of Students Placed	54							
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.)								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Students Qualified</td> <td style="text-align: center;">2</td> </tr> </table>	Year	2022-23	Total Number of Students Qualified	2	Yes		
Year	2022-23							
Total Number of Students Qualified	2							
5.3 Student Participation and Activities	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.	Yes						
	<ul style="list-style-type: none"> ➤ Technical Symposium 	Yes						
	<ul style="list-style-type: none"> ➤ Class committee meeting 	Yes						
	<ul style="list-style-type: none"> ➤ BOS minutes 	Yes						
	<ul style="list-style-type: none"> ➤ BOG Sub committees circulars and Minutes (Student Representation) 	Yes						



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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	Yes
	Year	2022-23
	Total Number of Teacher	3
	6.1.2 Number of Teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP)	Yes
	Year	2022-23
	Total Number of Teacher	3
	➤ List of Faculty attended FDP/MDP	

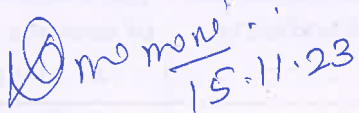

Overall Comments if any:-



EXTERNAL AUDIT REPORT 2022-23

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Science and Humanities
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee		Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	

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	Yes
	➤ Vision & Mission	
	➤ Programmme Educational Objectives (PEO)	
	➤ 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	
	➤ Process for designing vision, mission, PEO, Program curriculum, New regulation, Teaching Process	



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	<ul style="list-style-type: none"> ➤ Syllabi book for 2018 and 2022 Regulations ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 	
	<p>1.1.2 The programmes focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements</p> <ul style="list-style-type: none"> ➤ R2018 & R2022 – Course categorization & Comparison charts 	Yes
1.2 Academic Flexibility	<p>1.2.1 New courses introduced out of the total number of courses</p> <ul style="list-style-type: none"> ➤ 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	<p>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</p> <ul style="list-style-type: none"> ➤ 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
	<p>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</p> <ul style="list-style-type: none"> ➤ List of students and the attendance sheet for the above mentioned programs ➤ Programme brochure/notice for Value added programs ➤ Evidence of course completion 	Yes
	<p>1.3.3 Does the programme have components of field projects / research projects / internships</p> <ul style="list-style-type: none"> ➤ Evaluated sample project report (5) – UG & PG ➤ Internship completion letter – UG & PG 	Yes
1.4 Feedback System	<p>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders</p>	Yes



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	<p>like Students, Teachers, Employers, Alumni, Academic peers etc.,</p> <ul style="list-style-type: none"> ➤ Collections of feedback forms – Students, Faculty, Parent, Employer, Alumni, Exit Survey ➤ Feedback analysis report ➤ Action taken report on the feedback analysis ➤ Circular and Action taken report for Department level Committee, Program Advisory Committee and Board of Studies Minutes 							
Criteria 2 Teaching-learning and Evaluation								
2.1 Catering to Student Diversity	<p>2.1.1 The department assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student</p> <ul style="list-style-type: none"> ➤ Remedial Classes Schedule ➤ Class Committee Circulars and Minutes ➤ Mentor – Mentee Files ➤ Placement Courses offered for slow learners ➤ Regulation R2018 - Fast track System. ➤ NPTEL Courses Registration and certificates ➤ GATE/CAT Programs 	Yes						
	<p>2.1.2 Student - Full time teacher ratio</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td align="center">Year</td> <td align="center">2022-23</td> </tr> <tr> <td align="center">No of students</td> <td align="center">431</td> </tr> <tr> <td align="center">Number of full time teachers</td> <td align="center">21</td> </tr> </table> <ul style="list-style-type: none"> ➤ List showing the number of students in each of the programs 	Year	2022-23	No of students	431	Number of full time teachers	21	Yes
	Year	2022-23						
	No of students	431						
	Number of full time teachers	21						
	<p>2.2 Teaching-Learning Process</p> <p>2.2.1 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 learning process</p> <ul style="list-style-type: none"> ➤ 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 	Yes						



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	<p>Learning through various social activities and technical association events: Invitation, Schedule, Attendance sheet and Report with Photographs</p> <ul style="list-style-type: none"> ➤ Problem solving methodologies – Sample Assignments, Tutorials, Mini Project, Project work Report ➤ SWAYAM/NPTEL Courses 					
	<p>2.2.2 The department adopts effective Mentor-Mentee Schemes to address academics and student psychological issues</p> <ul style="list-style-type: none"> ➤ List of Active mentors ➤ Mentor allocation circulars ➤ Mentor Student Mapping ➤ Sample Counselling Forms 	Yes				
	<p>2.2.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution</p> <ul style="list-style-type: none"> ➤ Academic Calendar ➤ Teaching Plan 	Yes				
<p>2.3 Student Performance and Learning Outcomes</p>	<p>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</p> <ul style="list-style-type: none"> ➤ Course File for each course ➤ Overall CO-PO & PSO Attainment with Action Taken Report ➤ Project Review Evaluation with Rubric ➤ Exit Survey sample forms 	Yes				
<p>Criteria 3 Research, Innovations and Extension</p>						
<p>3.1 Promotion of Research and Facilities</p>	<p>3.1.1 Amount of seed money provided by institution to its teachers for research.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Amount (INR in Lakhs)</td> <td style="text-align: center;">-</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ➤ List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise ➤ Audited Income-Expenditure statement 	Year	2022-23	Amount (INR in Lakhs)	-	No
Year	2022-23					
Amount (INR in Lakhs)	-					



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	<p>3.1.2 Teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total number of teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Total number of teacher	-	No
Year	2022-23					
Total number of teacher	-					
<p>3.2 Resource Mobilization for Research</p>	<p>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</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Amount (INR in Lakhs)</td> <td>-</td> </tr> </table> <p>➤ List of Extramural funding received for research, Endowment Research Chairs received</p>	Year	2022-23	Amount (INR in Lakhs)	-	No
	Year	2022-23				
	Amount (INR in Lakhs)	-				
<p>3.2.2 Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Number of research projects per teacher</td> <td>-</td> </tr> </table>	Year	2022-23	Number of research projects per teacher	-	No	
Year	2022-23					
Number of research projects per teacher	-					
<p>3.2.3 Number of teachers recognised as research guides</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Recognised as research guides</td> <td>3</td> </tr> </table>	Year	2022-23	Recognised as research guides	3	Yes	
Year	2022-23					
Recognised as research guides	3					
<p>3.3 Research Publications and Awards</p>	<p>3.3.1 List of candidates registered for Ph.D per teacher</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Candidate</td> <td>5</td> </tr> </table>	Year	2022-23	Total Number of Candidate	5	Yes
	Year	2022-23				
	Total Number of Candidate	5				
<p>3.3.2 List of research papers in the Journals notified on UGC CARE list</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Research paper</td> <td>29</td> </tr> </table>	Year	2022-23	Total Number of Research paper	29	Yes	
Year	2022-23					
Total Number of Research paper	29					
<p>➤ Copies of Full paper (with author and affiliation details)</p> <p>3.3.3 Total Number of books and chapters in edited volumes published</p> <table border="1"> <tr> <td>Year</td> <td>2022-23</td> </tr> <tr> <td>Total Number of Books/Chapters</td> <td>-</td> </tr> </table>	Year	2022-23	Total Number of Books/Chapters	-	No	
Year	2022-23					
Total Number of Books/Chapters	-					



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	<ul style="list-style-type: none"> ➤ 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 <table border="1" style="width: 100%; margin-top: 5px;"> <tr> <td align="center">Year</td> <td align="center">2022-23</td> </tr> <tr> <td align="center">Amount (INR in Lakhs)</td> <td align="center">-</td> </tr> </table>	Year	2022-23	Amount (INR in Lakhs)	-	No
Year	2022-23					
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 <table border="1" style="width: 100%; margin-top: 5px;"> <tr> <td align="center">Year</td> <td align="center">2022-23</td> </tr> <tr> <td align="center">Total Number of MoUs</td> <td align="center">-</td> </tr> </table> <ul style="list-style-type: none"> ➤ Copies of documents indicating the functional MoUs ➤ List of year wise activities with report 	Year	2022-23	Total Number of MoUs	-	No
Year	2022-23					
Total Number of MoUs	-					
Criteria 4 Infrastructure and Learning Resources						
4.1 Physical Facilities	Adequate infrastructure and other facilities <ul style="list-style-type: none"> ➤ 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 <ol style="list-style-type: none"> 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 <ul style="list-style-type: none"> ➤ 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 <table border="1" style="width: 100%; margin-top: 5px;"> <tr> <td align="center">Year</td> <td align="center">2022-23</td> </tr> <tr> <td align="center">Total Number of Program</td> <td align="center">-</td> </tr> </table>	Year	2022-23	Total Number of Program	-	No
Year	2022-23					
Total Number of Program	-					



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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 (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	No			
	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Teacher</td> <td style="text-align: center;">-</td> </tr> </table>		Year	2022-23	Total Number of Teacher
	Year	2022-23			
	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)	Yes				
<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">2022-23</td> </tr> <tr> <td style="text-align: center;">Total Number of Teacher</td> <td style="text-align: center;">3</td> </tr> </table>		Year	2022-23	Total Number of Teacher	3
Year	2022-23				
Total Number of Teacher	3				
	➤ List of Faculty attended FDP/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.

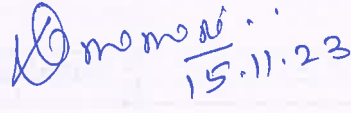

IQAC Chairperson



EXTERNAL AUDIT REPORT 2022-23

15.11.2023

Part – 1: Preliminary Information

Name of the Department	:	Clubs
Address of the Institute	:	GCE, Salem
Date and time of visit	:	15.11.2023
Members of the Audit Committee	:	Signature
1. Dr.C.Dhavamani, Professor and Head, Department of Aeronautical Engineering Mahendra Engineering College, Namakkal, Tamil Nadu- 637503.	:	 15.11.23
2. Dr. P. Suresh Professor & Head Department of Mechatronics Engineering Sona College of Tech, Salem	:	 15/11/23

Part – 2: Academics Information

	Description	Yes/ No				
	Extension Activities					
NCC	Number of extension and outreach programs conducted by the institution <table border="1" style="margin-left: 20px;"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>10</td></tr></table> <ul style="list-style-type: none">➤ Circular copy➤ List of Students with attendance➤ Geotagged Photos➤ Report of the program	Year	2022-23	Total number Program Conducted	10	Yes
Year	2022-23					
Total number Program Conducted	10					



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NSS	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>18</td></tr></table>	Year	2022-23	Total number Program Conducted	18	Yes
Year	2022-23					
Total number Program Conducted	18					
Rotary Club	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>2</td></tr></table>	Year	2022-23	Total number Program Conducted	2	Yes
Year	2022-23					
Total number Program Conducted	2					
Leo Club	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>7</td></tr></table>	Year	2022-23	Total number Program Conducted	7	Yes
Year	2022-23					
Total number Program Conducted	7					
Environmental Club and Green Campus	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>-</td></tr></table>	Year	2022-23	Total number Program Conducted	-	NO
Year	2022-23					
Total number Program Conducted	-					
Standard Club	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>3</td></tr></table>	Year	2022-23	Total number Program Conducted	3	Yes
Year	2022-23					
Total number Program Conducted	3					



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Youth Red Cross	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>-</td></tr></table>	Year	2022-23	Total number Program Conducted	-	NO
Year	2022-23					
Total number Program Conducted	-					
Tamil Literary Association	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>2</td></tr></table>	Year	2022-23	Total number Program Conducted	2	Yes
Year	2022-23					
Total number Program Conducted	2					
English Literary Association	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>1</td></tr></table>	Year	2022-23	Total number Program Conducted	1	Yes
Year	2022-23					
Total number Program Conducted	1					
Students Union (Dance, Music and Arts Club)	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>1</td></tr></table>	Year	2022-23	Total number Program Conducted	1	Yes
Year	2022-23					
Total number Program Conducted	1					
Women Empowerment Cell	Number of extension and outreach programs conducted by the institution <table border="1"><tr><td>Year</td><td>2022-23</td></tr><tr><td>Total number Program Conducted</td><td>1</td></tr></table> <p>➤ Gender Audit Conducted</p>	Year	2022-23	Total number Program Conducted	1	Yes
Year	2022-23					
Total number Program Conducted	1					



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

SCIENCE ASSOCIATION	Number of extension and outreach programs conducted by the institution <table border="1" data-bbox="523 472 1214 568"><tbody><tr><td data-bbox="523 472 1043 510">Year</td><td data-bbox="1043 472 1214 510">2022-23</td></tr><tr><td data-bbox="523 510 1043 568">Total number Program Conducted</td><td data-bbox="1043 510 1214 568">1</td></tr></tbody></table>	Year	2022-23	Total number Program Conducted	1	Yes
Year	2022-23					
Total number Program Conducted	1					
Sports Club	Number of extension and outreach programs conducted by the institution <table border="1" data-bbox="523 770 1214 866"><tbody><tr><td data-bbox="523 770 1043 808">Year</td><td data-bbox="1043 770 1214 808">2022-23</td></tr><tr><td data-bbox="523 808 1043 866">Total number Program Conducted</td><td data-bbox="1043 808 1214 866">1</td></tr></tbody></table>	Year	2022-23	Total number Program Conducted	1	Yes
Year	2022-23					
Total number Program Conducted	1					

Overall Comments if any: