2.3.1 Students Centric Methods

2.Participative learning

Technical Seminar

S.no	Description	Page.no
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PRINCIPAL
GOVT. COLLEGE OF ENGG.,
SALEM-636 011

Sample/Reference of Technical Seminar in Curriculum R2022

M.E., Thermal Engineering

Government College of Engineering, Salem – 636 011,
(An Autonomous Institution, Affiliated to Anna University, Chennai)

Regulations -2022
Autonomous Courses (For Students Admitted from 2022-2023)

M.E Thermal Engineering – Full Time

Sl.No	Course code	Name of the Course	Hours/Week					Maximum Marks		
			Category	Lecture	Tutorial/ Demo*	Practical	Credits	CA	FE	Total
SEMESTER I										
THEORY										
1.	22THC11	Advanced Thermodynamics	PC	3	0	0	3	40	60	100
2.	22THC12	Advanced Fluid Dynamics	PC	3	0	0	3	40	60	100
3.	22THC13	Advanced Heat Transfer	PC	3	0	0	3	40	60	100
4.	22THE1X	Professional Elective-I	PE	3	0	0	3	40	60	100
5.	22THE2X	Professional Elective-II	PE	3	0	0	3	40	60	100
6.	22MLC01	Research Methodology and IPR	MC	3	0	0	3	40	60	100
PRACTICAL										
7.	22THC14	Thermal Engineering Laboratory	PC	0	0	4	2	60	40	100
8.	22THC15	Technical Seminar- I	EEC	0	0	2	1	100	0	100
9.	22ACXX	Audit Course – 1	AC	2	0	0	0	100	0	100
	TOTAL			**20**	**0**	**6**	**21**	**500**	**400**	**900**
SEMESTER II										
THEORY										
1.	22THC21	Hydrogen and Fuel cell Technologies	PC	3	0	0	3	40	60	100
2.	22THC22	Computational Fluid Dynamics for Thermal Systems	PC	3	0	0	3	40	60	100
3.	22THC23	Instrumentation for Thermal Systems	PC	3	0	0	3	40	60	100
4.	22THE3X	Professional Elective- III	PE	3	0	0	3	40	60	100
5.	22THE4X	Professional Elective-IV	PE	3	0	0	3	40	60	100
PRACTICAL										
6.	22THC24	Analysis & Simulation Laboratory	PC	0	0	4	2	60	40	100
7.	22THC25	Applied Thermal Engineering Laboratory	PC	0	0	4	2	60	40	100
8.	22THC26	Technical Seminar- II	EEC	0	0	2	1	100	0	100
9.	22ACXX	Audit Course-2	AC	2	0	0	0	100	0	100
	TOTAL			**17**	**0**	**10**	**20**	**520**	**380**	**900**

Government College of Engineering, Salem – 636 011.
Department of Mechanical Engineering
Academic Year : 2022-2023 (Odd Semester)
M.E - Time Table (Oct 2022 - Mar 2023)

M.E-Thermal-I Semester **w.ef. 10.10.2022**

Day / Time	*9.10 a.m.- 10.00 a.m.*	*10.00 a.m.- 10.50 a.m.*	*11.00 a.m.- 11.55 a.m.*	*11.55 a.m.- 12.50 p.m.*	*LUNCH BREAK*	*1.50 p.m.- 2.45 p.m.*	*2.45 p.m.- 3.40 p.m.*	*3.40 p.m.- 4.35 p.m.*
Monday	22THC13		22THC14			22CDE11	LIB	
Tuesday	22THE25	22MLC01	22THC12	22CDE11		22THC15		
Wednesday	22MLC01	22THC13	22THE25	22THC11		22THC12		
Thursday	22THC12	22CDE11	22THC11	22THE25				
Friday	22THC11	LIB	22THC14			22AC01		

22THC11 - Advanced Thermodynamics **(MP)**
22THC12 -Advanced Fluid Dynamics **(RPK)**
22THC13 - Advanced Heat Transfer **(DK)**
22CDE11- **Programme Electives-I**
Advanced Mathematical Methods in Engineering **(Prof.N.Kamalraj- Maths Dept)**
22THE25 - **Programme Electives-II** Alternate Fuels for IC Engines **(MSK)**
22MLC01 - Research Methodology and IPR **(MRA)**
22THC14 - Thermal Engineering Lab -I **(RPK)**
22THC15 - Technical Seminar - I **(MP)**
22AC01 - English for Research Paper Writing (Audit -I)**(Prof.V.Prasath)**

Class Advisor : Prof.M.Periyasamy ***HOD/MECH***

22THC15	TECHNICAL SEMINAR - I	L	T	P	C
		0	0	2	1

OBJECTIVES:

- To Enhance the ability of self-study
- To Improve presentation and communication skills
- To Increase the breadth of knowledge.

GUIDELINES

- The student is expected to present a seminar in one of the current topics in the field ofThermal Engineering related issues / technology.
- The seminar shall be of 30 minutes duration and give presentation to the Seminar Assessment Committee (SAC).
- A faculty guide is to be allotted and he / she will guide and monitor the progress of the student and maintain attendance also.
- In a session of three periods per week, 4 students are expected to present the seminar.
- Students are encouraged to use various teaching aids such as power point presentation and demonstrative models.
- Students are required to prepare a seminar report in the prescribed format given by theDepartment.

TOTAL: 30 PERIODS

OUTCOMES:

At the end of the course, the student will be able to

1. identify and choose appropriate topic of relevance.
2. assimilate literature on technical articles of specified topic and develop comprehension.
3. prepare technical report.
4. design, develop and deliver presentation on specified technical topic
5. communicate in a structured way

CO PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1				3	3			2	3					
CO2				3	3			2	3					
CO3				3	3			2	3					
CO4			3	3	3			2	3					
CO5				3	3			2	3					

Department of Mechanical Engineering

Government College of Engineering, Salem - 636011

CIRCULAR

Date: 20-10-2022

It is informed that the following faculty members are chosen as guide for 22THC15-Technical Seminar -I by the first semester M.E Thermal Engineering students.

Sl.No	Name of the Student	Name of the Guide
1.	S. Leni cinthana	Dr. T. Balusamy
2.	M. Vidhya	Dr. S. Sivalakshmi
3.	D. Jagan Mohan	Dr. M. Raja
4.	M. Arun Kumar	Prof. M. Periyasamy

Head of the Department

20/10/22

Copy to:

1. Dr. S. Sivalakshmi /Associate Professor
2. Dr. M. Raja /Assistant Professor
3. Prof. M. Periyasamy /Assistant Professor

Government College of Engineering, Salem-11
Department of Mechanical Engineering
M.E Thermal Engineering (2022 Regulation)
First Semester (Oct 22 – Mar 22)

22THC15-TECHNICAL SEMINAR - I

Date: 25.11.2022

First Review

Sl. No	Register Number	Name of the Student	Guide	Title of the Seminar	Marks Allotted by the	
					SAC Committee	Guide
					(50)	(50)
1.	61772253203	Leni Cinthana.S	Dr.T.Balusamy	Comprehensive study of Compact Heat Exchangers with offset Strip fin	40	42
2.	61772253204	Vidhya.M	Dr.S.Sivalakshmi	Analysis of Energy System Membrane Heat Exchanger in HVAC Energy Recovery Systems	38	40
3.	61772253202	Jagan Mohan.D	Prof.M.Periyasamy	Performance Analysis of Vapour Compression Refrigeration System with Eco-friendly Refrigerants	40	40

SAC Committee Member-III
(Dr.M.Raja)

SAC Committee Member-II
(Dr.S.Sivalakshmi)

SAC Committee Member-I
(Dr.T.Balusamy)