



# SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

## NAAC DOCUMENTS

### QUALITY INDICATOR FRAME WORK

#### CRITERION - 1

#### CURRICULAR ASPECTS

SUBMITTED BY

# IQAC

INTERNAL QUALITY ASSURANCE CELL

## SASURIE COLLEGE OF ENGINEERING



Criterion 1	Curricular Aspects	100
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### Curricular Planning and Implementation (20)

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

#### Table of Contents

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**SASURIE**  
College of Engineering  
Vijayamangalam, Trichy.

Department : **MECH**  
Subject Code & Name: **ME 8792 P PPE**  
Class & Batch : **IV**  
Semester : **VII**

**CONTENTS - COURSE FILE**

S.NO	PARTICULARS	REMARKS
1	Time Table	
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3	Subject Information Record	
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10	Internal test mark sheet(Consolidated)	
11	Internal test question paper	
12	Model question paper	
13	Sample Answer paper for all test(Min-3)	
14	Content beyond the syllabus	
15	Tutorial Class - schedule and content	Soft copy
16	Assignment - schedule and paper	
17	PPT - handout	Soft copy
18	Video - Animation - Soft copy	Soft copy
19	Question bank	Soft copy
20	Sample university question papers(min 5 QP-recent exam)	Soft copy
21	Personal Log book - Updated	
22	Lecture Note	Soft copy
23	Special Class if any, Approval letter, Schedule, content covered.	Soft copy

Sign:	Prepared By <i>V.P. Desai</i>	Approved By <i>V.P. Desai</i>
Name:	<i>V.P. Desai</i> Faculty	<i>V.P. Desai</i> HD

**Dr.M.VIJAYAKUMAR** ME, Ph.D.,  
PRINCIPAL

**SASURIE**  
College of Engineering  
Vijayamangalam-631 025, India



**CLASS TIME TABLE**

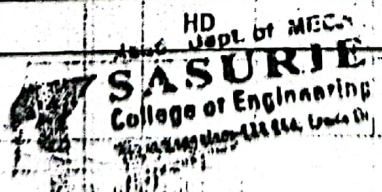
Department : Mechanical Engineering  
Class : IV YEAR

w.e.f : 10.08.2022  
Semester :VII

HOUR	I	II	III	IV	V	VI	VII	VIII				
DAY/TIME	09.30a.m TO 10.15 a.m.	10.15a.m. TO 11.00a.m.	11.00a.m TO 11.10 a.m	11.10 a.m. TO 11.55 a.m.	11.55 a.m. TO 12.40p.m.	12.40 p.m. TO 1.20 p.m.	1.20 p.m. TO 2.00p.m.	2.00 p.m. TO 2.40p.m.	2.40 p.m. TO 2.50p.m.	2.50 p.m. TO 3.35 p.m.	3.35 p.m. TO 4.20 p.m.	
MONDAY			BREAK			LUNCH	PPE	PPE	BREAK			
TUESDAY				PPE	PPE							
WEDNESDAY		PPE								BREAK		
THURSDAY												
FRIDAY										BREAK		
SATURDAY									PPE	PPE		

S.No	Subject Code	Name of the Subject	Name of the Staff	No of
1	ME8792	Power Plant Engineering	Mr.V.P.KRISHNAMURTHY	7

	Prepared by	Verified by	Authorized by
Sign:	<i>S. A. Ramesh</i>	<i>V. P. Krishnamurthy</i>	<i>Dr. E. Nandakumar</i>
Name:	Mr.S.A.Ramesh	Mr.V.P.Krishnamurthy	Dr.E.NANDAKUMAR
	FACULTY	HD Dept of MECA	Principal



*Dr. M. VIJAYAKUMAR* ME, Ph.D.  
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Vijayamangalam - 638 056, Tirupur (Dt).

Academic Year 2022 - 2023 ODD Semester

**STUDENTS NAME LIST**

Department: IV-MECH

Sl. No	Register Number	Student's Name	H/D
1	732419114001	Amulraj P	H
2	732419114002	Arunkumar B	H
3	732419114003	Kavikrishnan P	D
4	732419114004	Kishore B	H
5	732419114006	Pavendhar S	H
6	732419114007	Priyadarshan G	D
7	732419114008	Selventhiran S	H
8	732419114010	Thirunavukkarasu S	D

	732419114001		
	732419114002		
	732419114003		
	732419114004		
	732419114006		
	732419114007		
	732419114008		
	732419114010		

*Mr. Devaraj*



Asst. Dept. of MECH  
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### SUBJECT INFORMATION RECORD

Department : MECH  
Subject : Power plant Engg.  
Year : IV  
Semester : VII  
Last year handled by : V.P. Krishnamurthy  
Percentage of Result (last year) : 100%  
Quality Objectives : To produce more than 90%  
in university Exam.  
Reference Book :  
1. Nag P.K. power plant Engg'  
2. Dr. G.K. Vijayaraghavan  
'Power plant Engineering'

	Prepared By	Approved By
Sign:	<i>V.P. Krishnamurthy</i>	<i>V.P. Krishnamurthy</i>
Name:	<i>V.P. Krishnamurthy</i>	<i>V.P. Krishnamurthy</i>
	Faculty	HD



CC/AMC 12

*me*  
Dr.M.VIJAYAKUMAR ME., PH.D.  
PRINCIPAL

01.01.2015

**OBJECTIVE:**

- Providing an overview of Power Plants and detailing the role of Mechanical Engineers in their operation and maintenance.

**UNIT I COAL BASED THERMAL POWER PLANTS**

Rankine cycle - improvisations, Layout of modern coal power plant, Super Critical Boilers, FBC Boilers, Turbines, Condensers, Steam & Heat rate, Subsystems of thermal power plants - Fuel and ash handling, Draught system, Feed water treatment. Binary Cycles and Cogeneration systems.

**UNIT II DIESEL, GAS TURBINE AND COMBINED CYCLE POWER PLANTS**

Otto, Diesel, Dual & Brayton Cycle - Analysis & Optimisation. Components of Diesel and Gas Turbine power plants. Combined Cycle Power Plants. Integrated Gasifier based Combined Cycle systems.

**UNIT III NUCLEAR POWER PLANTS-**

Basics of Nuclear Engineering, Layout and subsystems of Nuclear Power Plants, Working of Nuclear Reactors : Boiling Water Reactor (BWR), Pressurized Water Reactor (PWR), CANada Deuterium-Uranium reactor (CANDU), Breeder, Gas Cooled and Liquid Metal Cooled Reactors. Safety measures for Nuclear Power plants.

**UNIT IV POWER FROM RENEWABLE ENERGY**

Hydro Electric Power Plants - Classification, Typical Layout and associated components including Turbines. Principle, Construction and working of Wind, Tidal, Solar Photo Voltaic (SPV), Solar Thermal, Geo Thermal, Biogas and Fuel Cell power systems.

**UNIT V ENERGY, ECONOMIC AND ENVIRONMENTAL ISSUES OF POWER PLANTS**

Power tariff types, Load distribution, parameters, load curve, Comparison of site selection criteria, relative merits & demerits, Capital & Operating Cost of different power plants. Pollution control technologies including Waste Disposal Options for Coal and Nuclear Power Plants.

**TOTAL : 45 PERIODS****OUTCOMES:**

- Upon the completion of this course the students will be able to:
- CO1 Explain the layout, construction and working of the components inside a thermal power plant.
  - CO2 Explain the layout, construction and working of the components inside a Diesel, Gas and Combined cycle power plants.
  - CO3 Explain the layout, construction and working of the components inside nuclear power plants.
  - CO4 Explain the layout, construction and working of the components inside Renewable energy power plants.
  - CO5 Explain the applications of power plants while extend their knowledge to power plant economics and environmental hazards and estimate the costs of electrical energy production.

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(Head, Dept. of UPO)  
SASURIE  
College of Engineering  
Vijayamangalam - 638 056, Tirupur (Dt)

**TEXT BOOK:**

1. Nag P.K., "Power Plant Engineering", Third Edition, Tata McGraw – Hill Publishing Company Ltd., 2008.

**REFERENCES:**

1. El-Wakil M.M., "Power Plant Technology", Tata McGraw – Hill Publishing Company Ltd., 2010.

2. Godfrey Boyle, "Renewable energy", Open University, Oxford University Press in association with the Open University, 2004.

Thomas C. Elliott, Kao Chen and Robert C. Swanekamp, "Power Plant Engineering", Second Edition, Standard Handbook of McGraw – Hill, 1998.

*M.P. [Signature]*

Assoc. Dept. of MECS  
**SASURIE**  
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Engineering" Th  
McGraw  
Technology  
Energy' Br  
University, 2004  
Swanekamp, Pr  
Engineering, Second Edition, Standard

*M.V.*

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**LESSON PLAN**

Department : Mechanical Engineering  
Faculty Name : V.P. KRISHNAMURTHY  
Subject Code & Title : ME8792 POWER PLANT ENGINEERING  
Academic Year : 2022-2023  
Semester/Year : VII / IV



Date: 10.08.2022

S.No.	Proposed		Details of Topic Covered	TA	Ref.	Actual		Review By HOD
	Date	Period				Date	Period	
<b>UNIT-I - COAL BASED THERMAL POWER PLANTS</b>								
1	10.08.2022	2	Introduction of power plant and classification	1&3	1,5	10.8.22	5	P
2	16.08.2022	3	Layout of modern coal power plant	1&3	2,5	10.8.22	6	
3	16.08.2022	4	Rankine cycle - Improvisations	1&3	1,5	10.8.22	7	
4	17.08.2022	2	Subsystems of thermal power plants - Fuel handling systems	1&3	3,5	10.8.22	8	
5	22.08.2022	5	Ash handling systems	1&3	4,5	11.8.22	1	
6	22.08.2022	6	Mechanical stokers and pulveriser	1&3	5	11.8.22	2	
7	23.08.2022	3	Draught system and dust collection	1&3	1	12.8.22	3	
8	23.08.2022	4	Turbines, Condensers, Steam & Heat rate	1&3	2,5	12.8.22	4	
9	24.08.2022	2	Super Critical Boilers, FBC Boilers	1&3	1,5	12.8.22	5	
10	29.08.2022	5	Furnace and feed water treatment (cooling system), Cogeneration systems	1&3	3,5	12.8.22	6	
<b>UNIT-II - DIESEL, GAS TURBINE AND COMBINED CYCLE POWER PLANTS</b>								
11	29.08.2022	6	Components of Diesel power plants	1&3	1,5	25.8.22	5	P
12	30.08.2022	3	Working of Diesel power plants	1&3	2,5	25.8.22	6	
13	30.08.2022	4	Cooling system, Lubrication system and fuel system	1&3	1,5	25.8.22	7	
14	05.09.2022	5	Otto, Diesel, Dual Cycle - Analysis & Optimisation	1&3	3,5	25.8.22	8	
15	05.09.2022	6	Components of Gas Turbine power plants	1&3	4,5	26.8.22	7	

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16	06.09.2022	3	Working of Gas Turbine power plants	1&3	5	26.8.22	2	}
17	06.09.2022	4	Brayton Cycle - Analysis & Optimisation	1&3	1	29.8.22	1	
18	07.09.2022	2	Brayton Cycle - problem solving	1&3	2,5	29.8.22	2	
19	20.09.2022	3	Combined Cycle Power Plants	1&3	5	6.9.22	3	
20	20.09.2022	4	Integrated Gasifier based Combined Cycle systems.	1&3	5	6.9.22	4	
<b>UNIT-III - NUCLEAR POWER PLANTS</b>								
21	21.09.2022	2	Basics of Nuclear Engineering	1&3	2,5	20.9.22	3	}
22	24.09.2022	5	Layout and subsystems of Nuclear Power Plants	1&3	1,5	20.9.22	4	
23	24.09.2022	6	Boiling Water Reactor (BWR)	1&3	3,5	7.10.22	3	
24	26.09.2022	5	Pressurized Water Reactor (PWR)	1&3	4,5	7.10.22	4	
25	26.09.2022	6	CANada Deuterium- Uranium reactor (CANDU)	1&3	1	8.10.22	1	
26	27.09.2022	3	Breeder, Gas Cooled and Liquid Metal Cooled Reactors	1&3	5	8.10.22	2	
27	27.09.2022	4	Safety measures for Nuclear Power plants.	1&3	1,5	8.10.22	5	
<b>UNIT-IV - POWER FROM RENEWABLE ENERGY</b>								
28	28.09.2022	2	Hydro Electric Power Plants - Classification	1&3	1,5	10.10.22	6	}
29	01.10.2022	5	Layout and associated components. Hydro Electric Power Plants	1&3	2,5	17.10.22	3	
30	01.10.2022	6	Classification of Turbines and working process	1&3	1,5	11.10.22	4	
31	08.10.2022	5	Governing system for Turbines	1&3	3,5	17.10.22	7	
32	08.10.2022	6	Principle, Construction and working of Wind	1&3	4,5	19.10.22	8	

  
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33	10.10.2022	5	Principle, Construction and working of Tidal	1&3	5	15.10.22 5	}
34	10.10.2022	6	Solar Photo Voltaic (SPV)	1&3	1	15.10.22 6	
35	11.10.2022	3	Solar Thermal Power plants	1&3	2.5	18.10.22 5	
36	11.10.2022	4	Geo Thermal Power plants	1&3	5	18.10.22 6	
37	12.10.2022	2	Biogas and Fuel Cell power systems	1&3	1.5	28.10.22 6	

**UNIT-V - ENERGY, ECONOMIC AND ENVIRONMENTAL ISSUES OF POWER PLANTS**

38	15.10.2022	5	Power tariff types	1&3	1.5	28.10.22 7	}
39	15.10.2022	6	Load distribution parameters, load curve	1&3	2.5	28.10.22 8	
40	17.10.2022	5	Comparison of site selection criteria	1&3	1.5	29.10.22 3	
41	17.10.2022	6	Comparison of site selection criteria merits & demerits	1&3	3.5	29.10.22 4	
42	18.10.2022	3	Capital Cost of different power plants	1&3	4.5	31.10.22 6	
43	18.10.2022	4	Operating Cost of different power plants	1&3	5	1.11.22 3	}
44	19.10.2022	2	Pollution control technologies including Waste Disposal Options for Coal Power Plants	1&3	1	1.11.22 4	
45	22.10.2022	5,6	Pollution control technologies including Waste Disposal Options for Nuclear Power Plants	1&3	2.5	2.11.22 1,2	

**Reference books (Ref): -**

1.Nag. P.K., "Power Plant Engineering", Third Edition, Tata McGraw - Hill Publishing Company Ltd., 2008 Ltd., 2010

3.Paul De Garmo, J.T.Black, and Ronald.A.Kohser, "Material and Processes In Manufacturing" Prentice Hall of India Pvt. Ltd., 8th Edition, New Delhi , 2001.

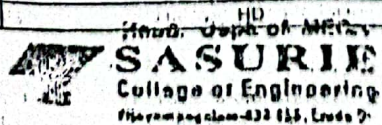
4.Godfrey Boyle, "Renewable energy", Open University, Oxford University Press in association with the Open

5.Dr.vijayarajavan, "Power Plant Engineering"

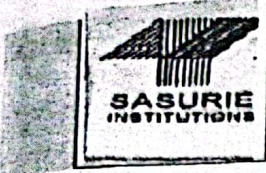
**Teaching Aids (TA):**

1. Black Board with Chalk
2. Overhead Projector
3. LCD Projector
4. Others (Field visits, Charts, Cutset Models)

Prepared by	Verified by	Authorized by
Sign: <i>Mr. V.P. Krishnamurthy</i>	Sign: <i>Mr. V.P. Krishnamurthy</i>	Sign: <i>Dr. T. Nandakumar</i>
Name: Mr. V.P. Krishnamurthy	Name: Mr. V.P. Krishnamurthy	Name: Dr. T. Nandakumar
Faculty		Principal



**Dr. M. VIJAYAKUMAR ME., Ph.D.**  
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### TEST PLAN FOR SUBJECT

Subject : PPE

Faculty: V.P. Krishnamoorthy

Semester : VII

Year: IV

Department : Mech

S. No.	Description	Planned Date/Month	Actual Conducted Date / Month	Remarks
1.	Internal Test - 1	23.9.22	23.9.22	
2.	Internal Test - 2	14.10.22	14.10.22	
3.	Internal Test - 3	30.11.22	30.11.22	

	Prepared By	Approved By
Sign:	V.P. Krishnamoorthy	V.P. Krishnamoorthy
Name:	V.P. Krishnamoorthy	V.P. Krishnamoorthy
	Faculty	HD

SC/AMC 1.9

Dr.M.VIJAYAKUMAR ME., Ph.D.,  
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Rev 0.0

SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).

Dept. of MECH  
SASURIE  
College of Engineering  
Vijayamangalam - 638 056, Tirupur

01.01.2015



**RESULT ANALYSIS OF TEST**

Subject : PPE  
Class : IV  
Semester : VII

Date : 24.9.22

Department : mech

Exam details & date : B.T-1 A 23.9.22

Faculty : V.P. Krishnamurthy

Number of students : 8

No. of students attended : 8

No. of students absent : 0

No. of students passed : 8


No. of students failed : 0

Percentage of failures : 0

**RESULT DATA:**

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	0	0	05	43	-

	Prepared By	Approved By
Sign:	<u>V.P. Krishnamurthy</u>	<u>V.P. Krishnamurthy</u>
Name:	<u>V.P. Krishnamurthy</u>	<u>V.P. Krishnamurthy</u>
	Faculty	IID

  
**Dr. M. VIJAYAKUMAR ME., Ph.D.,**  
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Head Dept of M.E.C.  
**SASURIE**  
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Vijayamangalam - 638 056, Tirupur



### RESULT ANALYSIS OF TEST

Subject : PPE  
Class : IV  
Semester : VII

Date : 17.10.22  
Department : M.E.C.E

Exam details & date

: Internal Test - 2 14.10.22

Faculty

: V.P. Krishnamurthy

Number of students

: 8

No. of students attended

: 8

No. of students absent

: 0

No. of students passed

: 8

No. of students failed

: 0

Percentage of failures

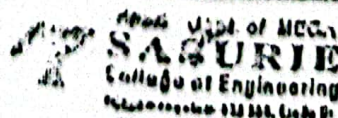
: 0

### RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	-	-	2	6	-

Prepared By		Approved By	
Sign:	V.P. Krishnamurthy	Sign:	V.P. Krishnamurthy
Name:	V.P. Krishnamurthy	Name:	V.P. Krishnamurthy
Faculty		IID	

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### RESULT ANALYSIS OF TEST

Subject : PPG  
Class : IV  
Semester : VII

Date : 09.12.22  
Department : MECH

Exam details & date : Internal test 32-30.11.22  
Faculty : V.P. Krishnamthy  
Number of students : 8  
No. of students attended : 8  
No. of students absent : -  
No. of students passed : 02  
No. of students failed : 06  
Percentage of failures : 75%

#### RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	0	6	2	0	0

	Prepared By	Approved By
Sign:		
Name:	V.P. Krishnamthy	V.P. Krishnamthy
	Faculty	IID

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Vijayamangalam, Thruppur.



**CORRECTIVE ACTION REPORT**

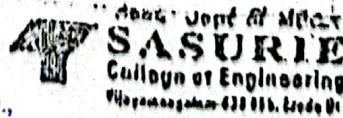
Dept. : 24.9.22  
Subject : PPE

Year : IV  
Semester : VII

S.No	Internal Test	Percentage of marks	Root Cause (Metrics)	Corrective Action	Deadline date	Remarks
1.	I	88% (100%)	B's not attended well	Given Prefest conducter	30.9.22	-
2	II	100%	-	-	-	-
3	III	25% marks	Root Cause	negative action	Deadline date	Remarks

Prepared By		Approved By	
Sign:	V.P. [Signature]	Sign:	V.P. [Signature]
Name:	Vip. len'shrammy	Name:	Vip. len'shrammy
	Faculty		HD

**Dr.M.VIJAYAKUMAR** ME., Ph.D.,  
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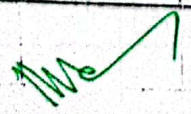


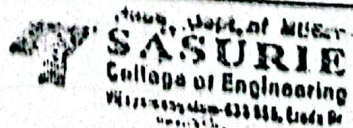
### QUALITY OBJECTIVE MONITORING RECORD

Department : mech  
Year : IV  
Semester : VII  
Subject : PPE

S.No	Quality Objective	Internal Test-I		Internal Test-II		Model Test-I	
		Expecting result	Obtained result	Expecting result	Obtained result	Expecting Result	Obtained result
1.	790%	790%	100%	790%	100%	50%	25%

	Prepared By	Approved By
Sign:	<i>V.P. Krishnamoorthy</i>	<i>V.P. Krishnamoorthy</i>
Name:	V.P. Krishnamoorthy	V.P. Krishnamoorthy
	Faculty	HD

  
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**SASURIE**  
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Vijayamangalam, Tiruppur.

Department of Mechanical Engineering

**ASSIGNMENT SCHEDULE**

S.No	Particulars	Target Date
1	steam power plant	15.9.22
2	Diesel power plant Wag, meters power plant	7.10.22
3	Assignment on I.L.T	

Particulars	Target Date

	Prepared by	Verified by
Sign	<i>U.P. Krishnamoorthy</i>	<i>U.P. Krishnamoorthy</i>
Name	U.P. Krishnamoorthy	U.P. Krishnamoorthy
	Faculty	HD

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PRINCIPAL

 SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).

Head of Dept. of M.E.C.  
**SASURIE**  
College of Engineering  
Vijayamangalam - 638 056, Tirupur (Dt).



Academic Year 2022 - 2023 ODD Semester

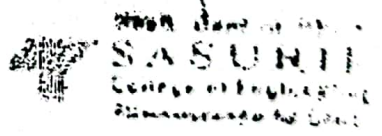
**PPE INTERNAL TEST MARK**

Department: IV MECH

Sl. No	Register Number	Student's Name	23.9.22 I.T-1	14.10.22 I.T-2	30.11.22 MODEL
1	732419114001	Amulraj P	80	84	67
2	732419114002	Arunkumar B	72	82	46
3	732419114003	Kavikrishnan P	84	72	36
4	732419114004	Kishore B	72	84	37
5	732419114006	Pavendhar S	56	82	31
6	732419114007	Priyadharshan G	84	88	64
7	732419114008	Selventhiran S	60	72	36
8	732419114010	Thirunavukkarasu S	62	84	49

*Mo*  
2.4.22

V.P. *[Signature]*  
17/10/22



*Mo*

**Dr.M.VIJAYAKUMAR** ME., Ph.D.,  
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Internal Assessment Test Answer Book

Name	P. Anulraj			Year/ Semester/Section	10 / 011
Register Number	732919119001	Date/Session	30-11-22 & AN	Department	Mech
Course code	ME 8292	Course Title	Power Plant Engineering		
Internal Assessment Test	IAT 1 <input type="checkbox"/>	IAT 2 <input type="checkbox"/>	IAT 3 <input type="checkbox"/>	Model	<input checked="" type="checkbox"/>
Name and Signature of the Invigilator with date	<p>P. M. Manoj 30/11/22 P. H. Manochitra</p>				

Instruction to the Student: Put tick mark to the question attended in the column against question.							
Part A			Part B/ Part C				Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a	b	
					Marks	Marks	
1	✓	2	11	✓	11		11
2	✓	2	12			9	09
3	✓	2	13			8	08
4	✓	0	14				
5	✓	1	15			11	11
6	✓	1	16			13	13
7	✓	2	Grand Total				52
8	✓	2					
9	✓	1					
10	✓	2					
Total		15					

To be filled by the examiner							
Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	17	17	32	17	17	-	100
Marks Obtained	15	11	23	04	14	-	67
IQAC Audit - Remarks							
-							

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**SASURIE**  
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Vijayamangalam, Tiruppur.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Assignment Question Paper**

Assignment - 01		Date of Issue:	10/09/2022	Marks	10
Course code	ME8792	Course Title	Power Plant Engineering		
Year	IV YEAR	Semester/Section	07	Date of Submission:	17.09.2022

Q.No	Questions	CO
1	Explain the working of thermal power plant.	CO1
2	Write short notes on Surface Condenser.	CO2
3	Explain the working of Draft System.	CO2
4	Write short notes on Benson Boiler	CO1

*V.P. Krishna Murthy*  
10/9/22

Name and Signature of the Faculty Incharge

*V.P. Krishna Murthy*

*V.P. Krishna Murthy*  
10/9/22

HoD/MECH

*V.P. Krishna Murthy*

**Dr.M.VIJAYAKUMAR** ME., Ph.D.,  
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DEPARTMENT OF MECHANICAL ENGINEERING

Assignment Answer Sheet

Name of the Student: G. Priyaalharshan  
AU Register Number: 732419114007

Assignment - 01		Date of Issue:	10/09/2022	Marks	10
Course code	ME8792	Course Title	Power Plant Engineering		
Year	IV YEAR	Semester/Section	07	Date of Submission:	17/09/2022

Q.No	Questions	CO
1	Explain the working of thermal power plant.	CO1
2	Write short notes on Surface Condenser.	CO2
3	Explain the working of Draft System.	CO2
4	Write short notes on Benson Boiler	CO1

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Content Quality	6	6
Presentation Quality	2	2
Timely submission	2	2
Total marks	10	10

Name and Signignature of the Faculty Incharge

V.P. Krishnamurthy

HoD/MECH

V.P. Krishnamurthy

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