



2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

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PRINCIPAL
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MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)



EXAM CELL

CIRCULAR

13.2.23

INTERNAL ASSESSMENT TEST – 1

Internal Assessment Test – I for II and III year B.E / B.Tech students of all branches will be conducted from 16.2.23 to 20.2.23 with usual vigour and discipline.

Question pattern :

Part – A – 2 X 6 = 12 marks

Part – B - 4 X 12 = 48 marks. (with out choice)

Total Marks = 60

Duration : 2 hrs

Time :

F.N – 9.00 a.m to 11.00 a.m

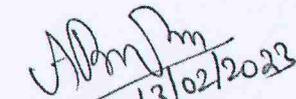
A.N – 1.20 p.m to 3.20.p.m

Staff members are requested to submit the question paper in the usual format on or before 14.2.23 (Tuesday) with course objectives, course outcomes, indicating CO, Taxonomy, PI and month and year of question previously asked in the University examinations.

Note : EPC Timing : FN – 8.15 a.m to 9.00 a.m

AN – 11.15 a.m to 12.00 noon.


PRINCIPAL
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13/02/2023
Head / Academics



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EXAM CELL

03.03.2023

Ref: MSAJCE/EC/164/2023

CIRCULAR

INTERNAL ASSESSMENT TEST – II

Internal Assessment Test – II for II and III year B.E / B.Tech students of all branches will be conducted from 09.03.2023 to 16.3.2023 with usual vigour and discipline.

Question pattern:

Part - A $\begin{matrix} 6 \times 2 \\ 2 \times 6 \end{matrix} = 12$ marks

Part - B $4 \times 12 = 48$ marks (without choice)

Total Marks = 60 marks

Duration: 2 hrs

Time:

F.N - 9.00 A.M to 11.00 A.M

A.N - 1.20 P.M to 3.20 P.M

Staff members are requested to submit the question paper in the usual format on or before 07.03.23 (Tuesday) with course objectives, course outcomes, indicating CO, Taxonomy, Pindex and Month and Year of Questions previously asked in the University Examinations.

Note:

EPC Timing:

FN - 8.15 A.M to 9.00 A.M

AN - 11.15 A.M to 12.00 P.M.

PRINCIPAL
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MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
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EXAM CELL

Ref: MSAJCE/EC/170/2023

CIRCULAR

22.03.2023

INTERNAL ASSESSMENT TEST – III

Internal Assessment Test – III for II and III year B.E / B.Tech students of all branches will be conducted from 28.03.2023 to 03.04.2023 with usual vigour and discipline.

Question pattern:

Part - A : $6 \times 2 = 12$ marks

Part - B : $4 \times 12 = 48$ marks (without choice)

Total Marks = 60 marks

Duration: 2 hrs

Time: F.N - 8.30 A.M to 10.30 A.M

Staff members are requested to submit **TWO** question papers per subject in the usual format on or before 24.03.23 (Friday) with course objectives, course outcomes, indicating CO, Taxonomy, Pindex and Month and Year of Questions previously asked in the Anna University Examinations.

VADAN
22/03/2023
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Ref: MSAJCE/EC/157/2023

II - Year (AY 2022-2023 EVEN SEMESTER)

Date: 13.02.2023

INTERNAL ASSESSMENT TEST - I

DATE/SESSION	CIVIL	CSE	EEE	ECE	MECH	IT
16.02.2023 THURSDAY	CE3402 - STRENGTH OF MATERIALS	CS3452 THEORY OF COMPUTATION	EE3402 LINEAR INTEGRATED CIRCUITS	EC3451 LINEAR INTEGRATED CIRCUITS	ME3451 THERMAL ENGINEERING	IT3401 WEB ESSENTIALS
	AN CE3403 - CONCRETE TECHNOLOGY	CS3491 ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	EE3401 TRANSMISSION AND DISTRIBUTION	EC3491 COMMUNICATION SYSTEMS	ME3492 HYDRAULICS AND PNEUMATICS	CS 3492 DATABASE MANAGEMENT SYSTEM
18.02.2023 SATURDAY	FN CE3401 - APPLIED HYDRAULICS ENGG	CS3492 DATABASE MANAGEMENT SYSTEMS	EE3405 ELECTRICAL MACHINES-II	EC 3452 ELECTRO MAGNETIC FIELDS	CE3491 STRENGTH OF MATERIALS	CS3451 INTRODUCTION TO OPERATING SYSYEM
	AN CE3404- SOIL MECHANICS	CS3451 INTRODUCTION TO OPERATING SYSTEM	EE3404 MICROPROCESSOR AND MICROCONTROLLER	-	ME3493 MANUFACTURING TECHNOLOGY	CS3452 THEORY OF COMPUTATION
20.02.2023 MONDAY	FN CE3405 - HIGHWAYS & RAILWAYS ENGINEERING	-	EE3403 MEASUREMENTS AND INSTRUMENTATION	EC3492 DIGITAL SIGNAL PROCESSING	ME3491 THEORY OF MACHINES	CS3491 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
	AN GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY

EXAM CELL COORDINATOR

13/2/23

Exam Timing

9.00am - 11.00am
1.20pm - 3.20pm

EPC Timing

8.15 - 9.00am
11.15am - 12.00 noon

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13/02/2023



MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING

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Ref: MSAJCE/EC/157/2023

III – Year (AY 2022-2023 EVEN SEMESTER)

Date: 13.02.2023

INTERNAL ASSESSMENT TEST – I

DATE/SESSION		CIVIL	CSE	EEE	ECE	MECH	IT
16.02.2023 THURSDAY	FN	CE8601 DESIGN OF STEEL STRUCTURAL ELEMENTS	CS8603 DISTRIBUTED SYSTEMS	EE8005 SPECIAL ELECTRICAL MACHINES	EC8652 WIRELESS COMMUNICATION	ME8651 DESIGN AND TRANSMISSION SYSTEMS	IT8601 COMPUTATIONAL INTELLIGENCE.
	AN	CE8604 HIGHWAY ENGINEERING	CS8691 ARTIFICIAL INTELLIGENCE	EE8602 PROTECTION AND SWITCH GEAR	EC8095 VLSI	ME8691 COMPUTER AIDED DESIGN AND MANUFACTURING	CS8091 BIG DATA ANALYTICS
18.02.2023 SATURDAY	FN	EN8592 WASTE WATER ENGINEERING	CS8651 INTERNET PROGRAMMING	EE8601 SOLID STATE DRIVES	EC8651 TRANSMISSION LINES AND RF SYSTEMS	ME8692 FINITE ELEMENT ANALYSIS	CS8592 OBJECT ORIENTED ANALYSIS & DESIGN
	AN	CE8602 STRUCTURAL ANALYSIS II	CS8601 MOBILE COMPUTING	EE8691 EMBEDDED SYSTEMS	MG8591 PRINCIPLES OF MANAGEMENT	ME8694 HYDRAULICS AND PNEUMATICS	-
20.02.2023 MONRDAY	FN	CE8603 IRRIGATION ENGINEERING	-	-	EC8691 MICROPROCESSORS AND MICROCONTROLLERS	ME8693 HEAT AND MASS TRANSFER	IT8602 MOBILE COMMUNICATION
	AN	-	-	-	-	-	CS8092 COMPUTER GRAPHICS & MULTIMEDIA

EXAM CELL COORIDINATOR

13/2/23

Exam Timing.
9.00am - 11.00am.
1.20pm - 3.20pm

EPC Timing
8.15am - 9.00am
11.15am - 12.00 noon.

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13/02/2023



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Ref: MSAJCE/EC/164/2023

III – Year (AY 2022 - 2023 EVEN SEMESTER)

Date: 03.03.2023

INTERNAL ASSESSMENT TEST -II

DATE/SESSION	CIVIL	CSE	EEE	ECE	MECH	IT
09.03.2023 THURSDAY	FN CE8601- DESIGN OF STEEL STRUCTURAL ELEMENTS	CS8603 - DISTRIBUTED SYSTEMS	EE8005- SPECIAL ELECTRICAL MACHINES	EC8652- WIRELESS COMMUNICATION	ME8651- DESIGN AND TRANSMISSION SYSTEMS	IT8601- COMPUTATIONAL INTELLIGENCE
	AN CE8604- HIGHWAY ENGINEERING	CS8691- ARTIFICIAL INTELLIGENCE	EE8602- PROTECTION AND SWITCH GEAR	EC8095 -VLSI DESIGN	ME8691- COMPUTER AIDED DESIGN AND MANUFACTURING	CS8091 -BIG DATA ANALYTICS
10.03.2023 FRIDAY	FN EN8592- WASTE WATER ENGINEERING	CS8651- INTERNET PROGRAMMING		EC8651- TRANSMISSION LINES AND RF SYSTEMS	ME8692- FINITE ELEMENT ANALYSIS	CS8592- OBJECT ORIENTED ANALYSIS & DESIGN
11.03.23 SATURDAY	FN CE8602- STRUCTURAL ANALYSIS II	CS8601- MOBILE COMPUTING	EE8691- EMBEDDED SYSTEMS	MG8591- PRINCIPLES OF MANAGEMENT	ME8694- HYDRAULICS AND PNEUMATICS	IT8602 -MOBILE COMMUNICATION
	AN CE8603- IRRIGATION ENGINEERING	CS 8602- COMPILER DESIGN	EE8601- SOLID STATE DRIVES	EC8691- MICROPROCESSORS AND MICROCONTROLLERS	ME8693- HEAT AND MASS TRANSFER	CS8092 -COMPUTER GRAPHICS & MULTIMEDIA

TIMINGS: FN - 9.00 AM To 11.00 AM , AN - 1.20 PM TO 3.20 PM.

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Ref: MSAJCE/EC/170/2023

II – Year (AY 2022 - 2023 EVEN SEMESTER)

Date: 23.03.2023

Time : 08.30 to 10.30 a.m

INTERNAL ASSESSMENT TEST –III

REVISED

DATE/SESSION	CIVIL	CSE	EEE	ECE	MECH	IT
28.03.23 Tuesday	CE3402 - STRENGTH OF MATERIALS	CS3492 -DATABASE MANAGEMENT SYSTEMS	EE3402- LINEAR INTEGRATED CIRCUITS	EC3451 -LINEAR INTEGRATED CIRCUITS	ME-3451 THERMAL ENGINEERING	IT3401- WEB ESSENTIALS
29.03.23 Wednesday	CE3405 - HIGHWAYS & RAILWAYS ENGINEERING	CS3491- ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	EE3401 - TRANSMISSION AND DISTRIBUTION	EC3491- COMMUNICATION SYSTEMS	ME3492- HYDRAULICS AND PNEUMATICS	CS 3492- DATABASE MANAGEMENT SYSTEM
30.03.23 Thursday	CE3401 - APPLIED HYDRAULICS ENGG	CS3452 – THEORY OF COMPUTATION	EE3405- ELECTRICAL MACHINES-II	EC3452- ELECTRO MAGNETIC FIELDS	CE3491- STRENGTH OF MATERIALS	CS3451- INTRODUCTION TO OPERATING SYSSTEM
31.03.23 Friday	CE3404- SOIL MECHANICS	CS3451- INTRODUCTION TO OPERATING SYSTEM	EE3404 - MICROPROCESSOR AND MICROCONTROLLER	EC3492- DIGITAL SIGNAL PROCESSING	ME3493- MANUFACTURING TECHNOLOGY	CS3452- THEORY OF COMPUTATION
01.04.23 Saturday	CE3403 – CONCRETE TECHNOLOGY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	EE3403 - MEASUREMENTS AND INSTRUMENTATION	EC3401-Network and Security	ME3491- THEORY OF MACHINES	CS3491- ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
04.04.23 Tuesday	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	CS4301 - ALGORITHMS	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	GE3451- ENVIRONMENTAL SCIENCE AND SUSTAINABILITY

EXAM CELL COORIDINATOR

M. SURESH
23/3/23

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23/3/23

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Principal

Question Paper
 B.E /B.Tech DEGREE INTERNAL ASSESSMENT TEST-I
 Fourth Semester
 Computer Science and Engineering / Information Technology
 CS3491 – ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

20/2/23
FN

(Regulation 2021)
 Answer ALL the Questions Maximum: 60 marks Date:

Course Objectives

The main objectives of this course are to:

- Study about uninformed and Heuristic search techniques.
- Learn techniques for reasoning under uncertainty
- Introduce Machine Learning and supervised learning algorithms
- Study about ensembling and unsupervised learning algorithms.
- Learn the basics of deep learning using neural networks

Course Outcomes The Students should be able to

- CO1 : Use appropriate search algorithms for problem solving
 CO2 : Apply reasoning under uncertainty
 CO3 : Build supervised learning models
 CO4 : Build ensembling and unsupervised models
 CO5 : Build deep learning neural network models

K1-Remember K2-Understand K3-Apply K4-Analyze K5-Evaluate K6-Create

PART A (6 X 2 = 12)

1. What are various applications of AI?	CO1	K1	PO1	N/D16
2. How will you measure the problem-solving performance?	CO1	K1	PO1	A/M17
3. List some of the uninformed search techniques.	CO1	K1	PO1	N/D17
4. What are the advantages of heuristic function?	CO1	K1	PO1	A/M17
5. What are the components of well-defined problems?	CO1	K1	PO2	N/D16
6. List down the characteristics of intelligent agent.	CO1	K1	PO1	A/M16

PART B (4 X 12=48)

7. What is an agent? Explain the basic kinds of agent program.	CO1	K2	PO1	N/D15
8. Specify the PEAS description for intelligent agent design with examples.	CO1	K2	PO1	A/M16
9. Explain Problem solving agent with examples.	CO1	K2	PO1	N/D14
10. Explain any two uninformed search strategies.	CO1	K2	PO2	A/M16

Prepared By

Verified By

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 Chennai - 603103.

Reg.No:

B.E /B .Tech DEGREE INTERNAL ASSESSMENT TEST-I

Fourth Semester

Computer Science and Engineering

CS 3492 – DATA BASE MANAGEMENT SYSTEM

(Regulation 2021)

Time: 2 Hours

Answer ALL the Questions

Maximum: 60 marks

Date:16/02/2023

Course Objectives

- To Learn the fundamentals of data models, relational algebra and SQL
- To represent a database system using ER diagrams and to learn normalization techniques
- To understand the fundamental concepts of transaction, concurrency and recovery processing.
- To understand the internal storage structures using different file and indexing techniques which will help in physical DB design
- To have an introductory knowledge about the Distributed databases, NOSQL and database security.

Course Outcomes: The Students should be able to

- CO1** : Construct SQL Queries using relational algebra
- CO2** : Design database using ER model and normalize the database
- CO3** : Construct queries to handle transaction processing and maintain consistency of the database
- CO4** : Compare and contrast various indexing strategies and apply the knowledge to tune the performance of the database
- CO5** : Appraise how advanced databases differ from Relational Databases and find a suitable database for the given requirement

K1-Remember

K2-Understand

K3-Apply

K4-Analyze

K5-Evaluate

K6-Create

PART A – (6X 2 = 12 marks)

- | | | | | |
|--|-----|----|---------|------|
| 1. What is data model? List the types of data model used. | CO1 | K1 | A/M'19 | PO 1 |
| 2. Define database and DBMS | CO1 | K1 | A/M'18 | PO 1 |
| 3. What are the major drawbacks of File Processing system? | CO1 | K1 | N/D' 19 | PO 1 |
| 4. What is an ER Model? | CO1 | K2 | A/M'17 | PO 1 |
| 5. Define DDL,DML Language? | CO1 | K2 | A/M'19 | PO 1 |
| 6. Define Primary key and Candidate key? | CO1 | K2 | N/D'18 | PO 1 |

PART B - (4 X 12=48)

- | | | | | |
|---|-----|----|--------|------|
| 7. Explain the following DDL DML DCL with suitable example | CO1 | K3 | A/M'18 | PO 1 |
| 8. Briefly Explain the database system Architecture with neat diagram | CO1 | K2 | A/M'17 | PO 1 |
| 9. Student (Name, Stu_id , DOB, branch)
Course (C_Name,Stu_id, Marks)
For the Above Two Tables perform the following operations,
(i) Insert five values in both the tables
(ii) Display the Student names whose marks is greater than 50
(iii) Change the DOB of Keerthi in the student database
(iv) Perform delete, drop and truncate operations in the Course database. Show the output for all the three operations performed. | CO1 | K3 | N/D'18 | PO 1 |
| 10. Explain the different types of Keys in SQL with proper example of your own. | CO1 | K2 | N/D'19 | PO 1 |

Pm
Prepared By

15/1/23
Verified By

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APM
Approved By
15/02/2023

Reg.No:

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Question Paper**B.E/B.Tech DEGREE INTERNAL ASSESSMENT TEST- I FEB 2023**

Fourth Semester

II Year B.E / B.Tech (Common to Civil, CSE, EEE, ECE, MECH & IT)

GE3451 - ENVIRONMENTAL SCIENCE & SUSTAINABILITY

(Regulations 2021)

Time: 2 Hrs

Answer ALL the Questions

Maximum: 60 marks

Date: 20.02.2023

Course Objectives

- : To find and implement scientific, technological, economic and political solutions to environmental problems.
- : To study the interrelationship between living organism and environment.
- : To appreciate the importance of environment by assessing its impact on the human world; envision the surrounding environment, its functions and its value.
- : To study the dynamic processes and understand the features of the earth's interior and surface.
- : To study the integrated themes and biodiversity, natural resources, pollution control waste management.

Course Outcomes: The Students should be able to

- CO1** : Public awareness of environment at infant stage.
CO2 : Environmental pollution or problems cannot be solved by mere laws.
CO3 : Development and improvement in standard of living has lead to serious environmental disasters.
CO4 : Public participation is an important aspect which serves the environmental protection.
CO5 : Ignorance and incomplete knowledge has lead to misconceptions.

K1-Remember K2-Understand K3-Apply K4-Analyze K5-Evaluate K6-Create

PART A – (6 X 2 = 12 marks)

- | | | | | |
|---|--|-----|----|---------|
| 1 | What are the functions of hydrosphere and lithosphere? | CO1 | K2 | DEC 05 |
| 2 | Differentiate between ecology and ecosystem.. | CO1 | K3 | JUNE 16 |
| 3 | What is meant by ecological succession? | CO1 | K4 | DEC 16 |
| 4 | Define biodiversity. | CO1 | K3 | DEC 16 |
| 5 | What is meant by 'RED' Data book? | CO1 | K2 | JAN 09 |
| 6 | What are endemic and endangered species? | CO1 | K1 | MAY 11 |

PART B – (4 X 12 = 48 marks)

- | | | | | | |
|----|--|------|-----|------|---------|
| 7 | (i) Describe structure and functions of various components of an ecosystem. | (6) | CO1 | K4 & | JUNE 16 |
| | (ii) Briefly explain the energy flow through ecosystem. | (6) | | K2 | |
| 8 | (i) What are the values of biodiversity? Explain. | (6) | | | |
| | (ii) What are the major causes of man-wild conflicts? Discuss the remedial steps that can curb the conflict. | (6) | CO1 | K2 | MAY 20 |
| 9 | (i) Discuss the status of India as a mega diverse nation of biodiversity. | (6) | CO1 | K4 | DEC 12 |
| | (ii) Discuss the biodiversity hot-spots identified in India. | (6) | | | |
| 10 | How is conservation of biodiversity achieved? Give details. | (12) | CO1 | K3 | JAN 21 |

Prepared By
 19/2/23

Verified By
 15/2/23

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Question Paper

B.E /B .Tech DEGREE INTERNAL ASSESSMENT TEST-

Third Semester

Department of Computer Science & Engineering

CS3301 Data Structures

(Regulation 2021)

Time: 2 Hour

Answer ALL the Questions

Maximum: 60 marks

Date: 14-12-22

Course Objectives

- : To introduce the basics of C programming languages
- : To learn the concepts of advanced features of C
- : To understand the concepts of ADTs and linear data structures
- : To know the concepts of non-linear data structure and hashing
- : To familiarize the concepts of sorting and searching techniques

Course Outcomes: The Students should be able to

- CO1 : Develop C program for any real word/technical application
- CO2 : Apply advanced features of C in solving problems
- CO3 : Write functions to implement linear and non-linear data structure operations
- CO4 : Suggest and use appropriate linear/non-linear data structure operations for solving a given problem
- CO5 : Appropriately use sort and search algorithms for a given application
- CO6: Apply appropriate hash functions that result in a collision free scenario for data storage and retrieval

K1-Remember

K2-Understand

K3-Apply

K4-Analyze

K5-Evaluate

K6-Create

PART A – (7 X 2 = 14 marks)

- | | | | |
|---|-----|----|--------|
| 1. What are the Applications of Hashing? | Co2 | K1 | N/D'19 |
| 2. Define Searching and its types. | CO2 | K1 | N/D'18 |
| 3. What is Extendible Hashing? | CO2 | K2 | N/D'19 |
| 4. What is the Main idea behind the Selection Sort. | CO2 | K1 | N/D'17 |
| 5. What is Insertion Sort?How many passes are required for the elements to be sorted. | CO2 | K1 | A/M'12 |
| 6. List out the different types of Hashing Function. | CO2 | K1 | N/D'21 |

PART B (2 X 12=24)

- | | | | | |
|---|----|-----|---|--------|
| 7. Explain about Bubble Sort. Write Example of Bubble Sort. | 12 | CO2 | K | N/D'19 |
| 8. Explain about Binary Search. | 12 | CO2 | K | N/D19 |
| 9. Write a C Program to implementation of Insertion Sort. | 12 | CO2 | K | N/D'19 |
| 10. Explain about open addressing and its types. | 12 | CO2 | K | N/D18 |

S. Anjali
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13/12/22

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13/12/22

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Reg.No:

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Question Paper

B.E /B .Tech DEGREE INTERNAL ASSESSMENT TEST-III

THIRD Semester

Common To (CSE & IT)

CS3391 Object Oriented Programming

(Regulation 2021)

Time: 1 Hour 30 minutes

Answer ALL the Questions

Maximum: 50 marks

Date:3/11/2022

S. No.	Course Objective
1.	To understand Object Oriented Programming concepts and basic characteristics of Java
2.	To know the principles of packages, inheritance and interfaces
3.	To define exceptions and use I/O streams
4.	To develop a java application with threads and generics classes
5.	To design and build simple Graphical User Interfaces

CO No.	Course Outcome
CO1	Apply the concepts of classes and objects to solve simple problems
CO2	Develop programs using inheritance, packages and interfaces.
CO3	Make use of exception handling mechanisms and multithreaded model to solve real world problems
CO4	Build Java applications with I/O packages, string classes, Collections and generics concepts
CO5	Integrate the concepts of event handling and JavaFX components and controls for developing GUI based applications

BLOOMS TAXONOMY(BT Level)

K1-Remembering , K2-Understanding, K3-Applying, K4-Analyzing, K5-Evaluating ,K6-Creating

PART A – (7 X 2 = 14 marks)

1	What is an exception ?Give example.	CO3	K1	PO1	M-12
2	What is the need for thread?	CO3	K1	PO1	M-13
3	What is Multithreading?	CO3	K1	PO1	D-12
4	What is the use of try,catch keywords?	CO3	K1	PO1	N-10
5	When thread is initiated and created,what is its initial stage?	CO3	K1	PO1	M-15
6	What are the two ways of creating a thread?	CO3	K1	PO1	D-12
7	Why do we need run() and start() method both?	CO3	K1	PO1	M- 13


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Question Paper

B.E /B .Tech DEGREE INTERNAL ASSESSMENT TEST-IV

Third Semester

Common to CSE and IT

CS3351-Digital Principles and Computer Organization (Regulation 2021)

Time: 2 Hours

Answer ALL the Questions

Maximum: 60 marks

Date:09.12.22 FN

Course Objectives

- 1. To analyze and design combinational circuits
- 2. To analyze and design sequential circuits
- 3. To understand the basic structure and operation of a digital computer
- 4. To study the design of data path unit, control unit for processor and to familiarize with the hazards
- 5. To understand the concept of various memories and I/O interfacing

Course Outcomes: The Students should be able to

- CO1 : Design various combinational digital circuits using logic gates
- CO2 : Design sequential circuits and analyze the design procedures
- CO3 : State the fundamentals of computer systems and analyze the execution of an instruction
- CO4 : Analyze different types of control design and identify hazards
- CO5 : Identify the characteristics of various memory systems and I/O communication

K1-Remember

K2-Understand

K3-Apply

K4-Analyze

K5-Evaluate

K6-Create

PART A - (6 X 2 = 12 marks)

- | | | |
|--|-----|-----------|
| 1. List the steps involved in executing an instructions. | CO4 | K2 |
| 2. Define pipelining. | CO4 | K2 N/D'17 |
| 3. List out the methods used to improve system performance. | CO4 | K2 |
| 4. What is the difference between uniprocessor and multiprocessor? | CO4 | K2 |
| 5. Define data hazards. | CO4 | K2 A M'17 |
| 6. What is meant by control hazards? | CO4 | K2 |

PART B (4 X 12=48)

- | | | | | |
|---|----|-----|----|--------|
| 7. Describe in detail about micro programmed control unit. | 12 | CO4 | K2 | N/D'18 |
| 8. Explain in detail about pipelining process. | 12 | CO4 | K2 | |
| 9. Explain in detail about how control unit is designed in a processor. | 12 | CO4 | K3 | N/D'17 |
| 10. Describe about hazards and their types. | 12 | CO4 | K3 | |

Prepared By

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QuestionPaper
B.E/B.Tech DEGREE INTERNAL ASSESSMENT TEST-IV
ThirdSemester
Computer Science and Engineering/Information Technology
CS3301-DATA STRUCTURES

(Regulation2021)

Time:2Hour

Answer ALL the Questions Maximum:60marks Date: 07 /12/22

CourseObjectives

- To understand the concepts of ADTs.
- To Learn linear data structures – lists, stacks, and queues.
- To understand non-linear data structures – trees and graphs.
- To understand sorting, searching and hashing algorithms.
- To apply Tree and Graph structures.

CourseOutcomes: The Students should be able to

CO1: Define linear and non-linear data structures.

CO2: Implement linear and non-linear data structure operations.

CO3: Use appropriate linear/non-linear data structure operations for solving a given problem.

CO4: Apply appropriate graph algorithms for graph applications.

CO5: Analyze the various searching and sorting algorithms.

K1-Remember

K2-Understand

K3-Apply

K4-Analyze

K5-EvaluateK6-Create

PART A(6 X2=12)

1. Define Graph?	CO4	K1	PO1
2. Explain topological sort?	CO4	K1	PO1
3. Name the two ways of representing graph?	CO4	K1	PO1
4. What is minimum spanning tree?	CO4	K1	PO1
5. Define Directed & Un directed graph?	CO4	K1	PO2
6. What is the use of kruskals algorithm?	CO4	K1	PO1

PARTB(4X12=48)

7. Explain about Breadth first search Algorithm.	CO4	K2	PO1
8. Explain about Kruskals algorithm.	CO4	K2	PO1
9.Explain about Dijkstra's Algorithm	CO4	K2	PO1
10. Explain about Prim's Algorithm	CO4	K2	PO2

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Question Paper
B.E /B .Tech DEGREE INTERNAL ASSESSMENT TEST-IV
Third Semester
Computer Science and Engineering / Information Technology
CS3353 – FOUNDATIONS OF DATA SCIENCE

(Regulation 2021)

Time: 2 Hour

Answer ALL the Questions Maximum: 60 marks Date:

Course Objectives

- To understand the data science fundamentals and process.
- To learn to describe the data for the data science process.
- To learn to describe the relationship between data.
- To utilize the Python libraries for Data Wrangling.
- To present and interpret data using visualization libraries in Python

Course Outcomes: The Students should be able to

- CO1 : Define the data science process
CO2 : Understand different types of data description for data science process
CO3 : Gain knowledge on relationships between data
CO4 : Use the Python Libraries for Data Wrangling
CO5 : Apply visualization Libraries in Python to interpret and explore data

K1-Remember

K2-Understand

K3-Apply

K4-Analyze

K5-Evaluate

K6- Create

PART A (6 X 2 = 12)

- | | | | |
|--|-----|----|-----|
| 1. What is the syntax for Numpy slicing? | CO4 | K1 | PO1 |
| 2. What is the difference between Numpy array and pandas series? | CO4 | K1 | PO1 |
| 3. What is fancy indexing? | CO4 | K1 | PO1 |
| 4. What do you mean by ufuncs? | CO4 | K1 | PO1 |
| 5. What is python none object? | CO4 | K1 | PO2 |
| 6. What is pd.merge () function? | CO4 | K1 | PO1 |

PART B (4 X 12=48)

- | | | | |
|---|-----|----|-----|
| 7. Explain all the array manipulation functions with examples in Numpy. | CO4 | K2 | PO1 |
| 8. Write short notes on Computation on Arrays. | CO4 | K2 | PO1 |
| 9. What are the Data Manipulation Techniques in Pandas? | CO4 | K2 | PO1 |
| 10. What are the steps involved in handling missing data in pandas. | CO4 | K2 | PO2 |

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INTERNAL ASSESSMENT TEST-I

EC3491- COMMUNICATION SYSTEMS -ANSWER KEY

II YEAR ECE/IV SEMESTER

PART-A

1. What are the advantages of converting the low frequency signal into high frequency signal?
Does the modulation technique decide the antenna height.

(1) The antenna needed for transmitting signals should have size at least $\lambda/4$, where, λ is the wavelength. The information signal, also known as baseband signal is of low frequency (and therefore the wavelength is high). If we need to transmit such a signal directly, the size of the antenna will be very large and impossible to build. Hence direct transmission is not practical.

(2) The radiated power by an antenna is inversely proportional to the square of the wavelength. So, if we use high frequency signals, the power radiated will be increased

(3) If we transmit the baseband signals directly, the signals from different transmitters will get mixed up and the information will be lost.

2. Suggest a modulation scheme for the broadcast video transmission and justify

The baseband message occupies an enormous bandwidth of 4.5MHz and DSB not preferable as it occupies 9 MHz. SSB also not preferred as baseband signal is concentrated in low frequency it becomes difficult to suppress 1 SB completely. SSB increases receiver cost as it uses synchronous detector.

Vestigial Side Band (VSB) modulation is preferred as it cuts off LSB or USB gradually. For eg. If LSB starting at 0.75 MHz to 1.25 MHz below carrier frequency + the 4.5 MHz. So, Bandwidth of VSB is $4.5+0.75+1.25 = 6\text{MHz}$

Modulation scheme for the broad cast video transmission is VSB since low frequencies near f_c represent significant picture detail. They are unaffected due to VSB

3. Why DSBFC-AM bandwidth inefficient when compared with single side band AM?

The lower sideband and upper sideband contain similar message frequency components. In DSBFC, carrier along with upper sideband and lower sideband are transmitted. In SSB, only one sideband is transmitted. Hence, DSBFC requires more bandwidth to transmit carrier, lower sideband and upper sideband.

4. Define sensitivity of a radio receiver.

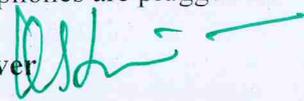
Sensitivity is the ability of the receiver to pick up weak signals and amplify them. It is defined in terms of the voltage that must be applied to the receiver input terminals to give the standard output power. It is usually expressed in micro volts.

often in simple transistor radios, the heterodyne and the mixer are made using one transistor. In higher-quality receivers and those that use dedicated integrated circuits, such as the TCA440, these stages are separate, allowing for more sensitive reception due to the mixer outputting only the sum and difference frequencies. In one transistor LO-mixers, the transistor operates as a common-base Armstrong oscillator and the RF taken from a coil wound on the ferrite rod, separate from the resonant circuit's coil, is fed to the base. At frequencies different from the resonant frequency of the antenna resonant circuit, it presents low impedance, so the base stays grounded for the LO signal but not for the input signal, due to the antenna circuit being of parallel resonant type (low impedance at frequencies different from resonance, almost infinite impedance at the resonant frequency).

4. **First IF Filter:** The fourth block is the first IF filter. In most AM receivers, it is a resonant circuit placed in the collector of the mixer transistor with the resonant frequency equal to the IF frequency. Its purpose is to filter off all signals with a frequency different from the IF frequency because those signals are unwanted mixing products and don't carry the audio signal of the station we want to listen to.
5. **First IF Amplifier:** The fifth block is the first IF amplifier. Gains of 50 to 100 in each IF stages are common if the gain is too high, distortion can take place, and if the gain is too high, IF filters are too close to each other and not properly shielded, parasitic oscillation can take place. The amplifier is controlled by AGC (Automatic Gain Control) voltage from the demodulator. AGC lowers the gain of the stage, causing the output signal to be roughly the same, regardless of the input signal amplitude. In transistor AM receivers, the AGC signal is most often fed to the base and has a negative voltage – in NPN transistors pulling the base bias voltage lower, reduces gain.
6. **Second IF Filter:** The sixth block is the second IF filter, just like the first one it is a resonant circuit placed in the collector of the transistor. It only lets signals of the IF frequency – improving selectivity.
7. **Second IF Amplifier:** The seventh block is the second IF amplifier, it is practically the same as the first IF amp except it is not controlled by AGC, as having too many AGC controlled stages, increases distortion.
8. **Third IF Filter:** the eighth block is the third IF filter, just like the first and the second one is a resonant circuit placed in the collector of the transistor. It only lets signals of the IF frequency – improving selectivity. It feeds the IF signal to the detector.
9. **Detector:** The ninth block is the detector, usually in the form of a germanium diode or a diode-connected transistor. It demodulates AM by rectifying the IF. On its output, there is a strong IF ripple component that is filtered out by a resistor-capacitor low pass filter, so only AF component remains, it is fed to the audio amp. The audio signal is further filtered to provide the AGC voltage, like in a regular DC power supply.
10. **Audio Amplifier:** The tenth block is the audio amplifier; it amplifies the audio signal and passes it onto the speaker. Between the detector and the audio amplifier, a volume control potentiometer is used.
11. **Speaker:** The last block is the speaker (usually 8 ohms, 0.5W) that outputs audio to the user. The speaker is sometimes connected to the audio amplifier through a headphone jack that disconnects the speaker when headphones are plugged in.

Characteristics of superheterodyne receiver

- i. Sensitivity
- ii. Selectivity
- iii. Fidelity
- iv. Double Spotting
- v. Tracking


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$$C_m(t) = A_c \left(1 + \frac{A_m}{A_c} \sin \omega_m t \right) \sin \omega_c t$$

$$= A_c \sin \omega_c t + \frac{A_m}{A_c} A_c \sin \omega_m t \sin \omega_c t$$

Where,

$$\frac{A_m}{A_c} = \mu = \text{modulation index}$$

$$C_m(t) = A_c \sin \omega_c t + A_c \mu \sin \omega_m t \sin \omega_c t$$

We can rewrite the above equation as

$$\sin A \sin B = \frac{1}{2} [\cos(A - B) - \cos(A + B)]$$

$$= A_c \sin \omega_c t + A_c \mu \frac{1}{2} [\cos(\omega_c - \omega_m) - \cos(\omega_c + \omega_m)]$$

$$C_m(t) = A_c \sin \omega_c t + \frac{A_c \mu}{2} \cos(\omega_c - \omega_m) - \frac{A_c \mu}{2} \cos(\omega_c + \omega_m) \dots \dots 3$$

From equation 3, we can see amplitude modulated wave is the sum of three sine or cosine waves.

Frequencies of Amplitude Modulated Wave

There are three frequencies in amplitude modulated wave - f_1 , f_2 and f_3 - corresponding to ω_c , $\omega_c + \omega_m$ and $\omega_c - \omega_m$, respectively.

$$\omega_1 = \omega_c \rightarrow \text{it is corresponding } f_1 = f_c$$

$$\omega_2 = \omega_c + \omega_m \rightarrow \text{it is corresponding } f_2 = f_c + f_m$$

$$\omega_3 = \omega_c - \omega_m \rightarrow \text{it is corresponding } f_3 = f_c - f_m$$

Where $f_c \rightarrow$ Carrier wave frequency

$f_c + f_m \rightarrow$ Upper side band frequency

$f_c - f_m \rightarrow$ Lower side band frequency

$f_m \rightarrow$ Modulating signal frequency

In general, $f_c \gg f_m$

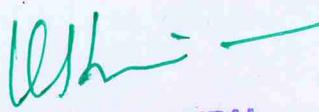
Bandwidth: (BW) It is the difference between the highest and lowest frequencies of the signal.

$$BW = \text{Upper sideband frequency} - \text{Lower sideband frequency} (f_c + f_m)$$

Or

$$BW = f_{\max} - f_{\min}$$

$$BW = f_c + f_m - f_c - f_m = 2 f_m$$


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9. Draw the spectrum and explain the generation of SSB signal using phase discriminator

Phase Shift Method for the SSB Generation

Fig. 1 shows the block diagram for the phase shift method of SSB generation .

This system is used for the suppression of lower sideband .

This system uses two balanced modulators M_1 and M_2 and two 90° phase shifting networks as shown in fig. 1 .

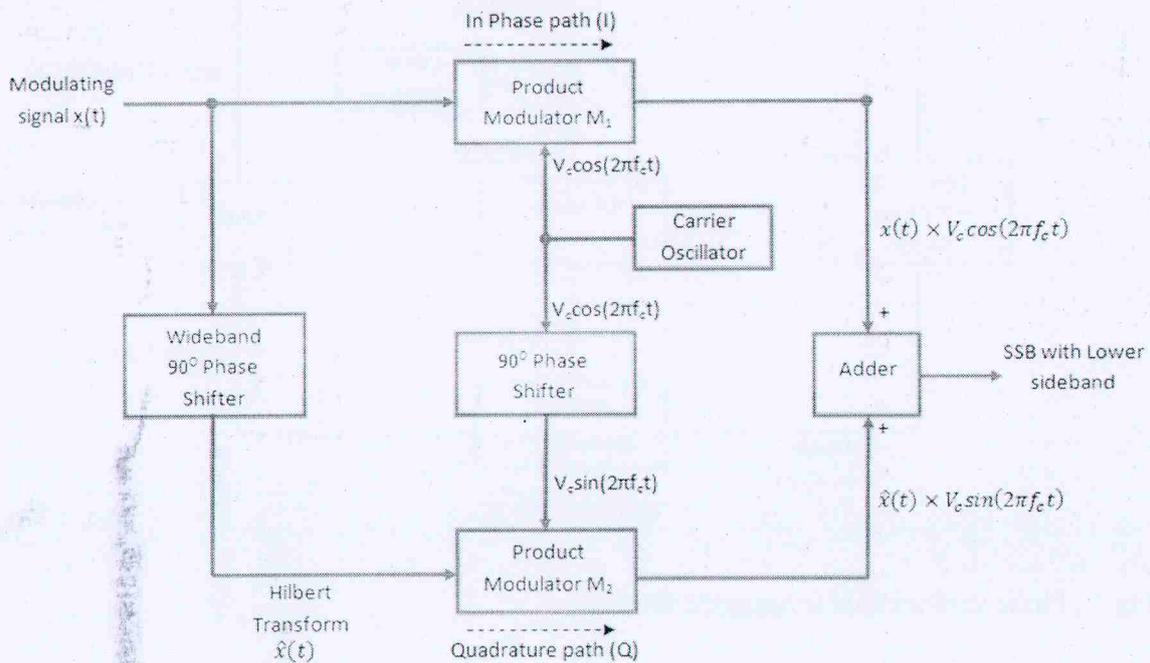


Fig 1: Phase shift method for generating SSB signal

Working Operation

The message signal $x(t)$ is applied to the product modulator M_1 and through a 90° phase shifter to the product modulator M_2 .

Hence, we get the Hilbert transform $\hat{x}(t)$

at the output of the wideband 90° phase shifter .

The output of carrier oscillator is applied as it is to modulator M_1 whereas it is passed through a 90° phase shifter and applied to the modulator M_2

$$\text{Output of } M_1 = x(t) \times V_c \cos(2\pi f_c t)$$

$$\text{and Output of } M_2 = \hat{x}(t) \times V_c \sin(2\pi f_c t)$$

The outputs of M_1 and M_2 are applied to an adder .
Therefore,

$$\text{Adder Output} = x(t) \times V_c \cos(2\pi f_c t) + \hat{x}(t) \times V_c \sin(2\pi f_c t)$$

$$\text{Or Adder Output} = V_c [x(t) \times \cos(2\pi f_c t) + \hat{x}(t) \times \sin(2\pi f_c t)]$$

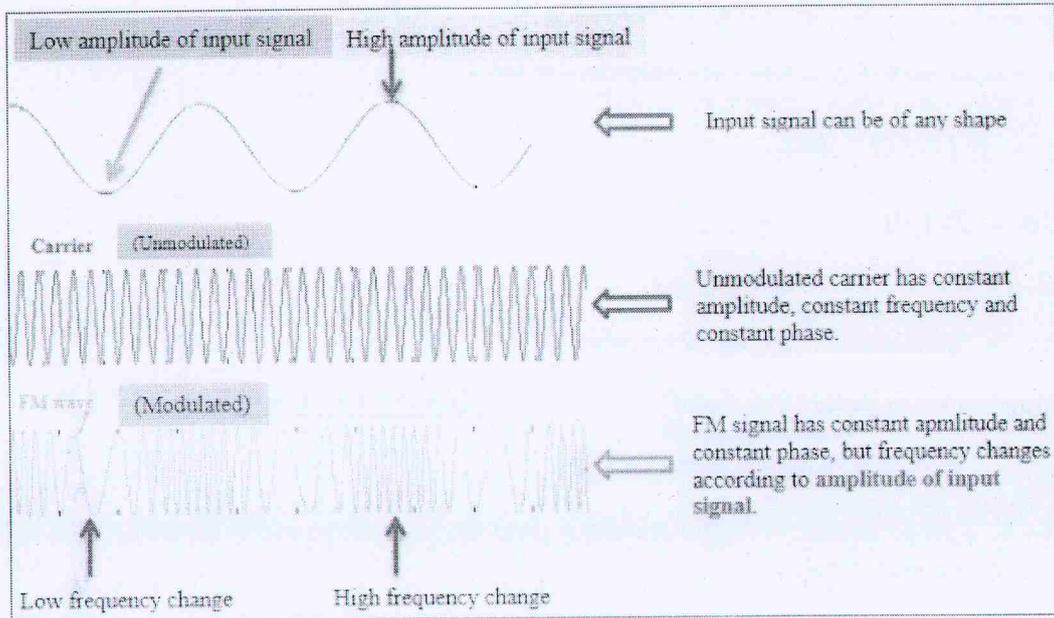
This expression represents the SSB signal with only LSB i.e. it rejects the USB .


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10. Derive the expression for frequency spectrum of FM modulated signal and comment on the transmission bandwidth.

FREQUENCY MODULATION (FM)

Modulation is the process by which some characteristic of the carrier is varied in accordance with modulating (input) signal. FM is the modulation in which the instantaneous frequency of the carrier $c(t)$ is varied linearly with message signal $m(t)$. This means frequency of the carrier is changed according to amplitude of modulating signal. So, in FM message signal (baseband signal) changes the frequency of the carrier wave without changing its amplitude or phase angle.



Mathematical representation of FM

Mathematical expression for a sinusoidal carrier is:

$$c(t) = A_c \cos(\omega_c t + \phi) \text{ or } A_c \sin(\omega_c t + \phi)$$

Where

- A_c = carrier amplitude
- ω_c = Angular frequency of carrier (radians/sec) = $2\pi f_c$
- f_c = carrier frequency in Hz
- ϕ = carrier phase

Note: when doing AM mathematical analysis, we put $\phi = 0$ for simplifications

Remember that in FM, message signal $m(t)$ changes the frequency of the carrier wave without changing its amplitude and phase.

Let carrier $c(t) = A_c \cos(\omega_c t) = A_c \cos 2\pi f_c t = A_c \cos \theta_c$
 where θ_c = total phase angle of unmodulated carrier

$$\theta_c = \omega_c t = 2\pi f_c t \dots\dots\dots \textcircled{1}$$

Differentiating equation 1 on both sides with respect to time t

$$\frac{d}{dt} \theta_c = \frac{d}{dt} \{2\pi f_c t\} = 2\pi f_c$$

$$\therefore d\theta_c = 2\pi f_c dt$$


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$$= 2\pi f_c t + 2\pi k_f \int m(t) dt$$

$$\therefore \theta_i = 2\pi f_c t + 2\pi k_f \int m(t) dt \quad \text{--- (8)}$$

Now substituting equation 8 into equation 2, we get

$$FM(t) = A_c \cos[\omega_c t + k_f \int m(t) dt] \quad \text{--- (9)}$$

Now, if the phase angle of the carrier (un-modulated carrier) is taken at $t = 0$, then the limit of integration in equation 5 will be 0 to t .

\therefore The general expression for an FM wave will be:

$$FM(t) = A_c \cos[\omega_c t + k_f \int_0^t m(t) dt]$$

where

- Modulating signal $m(t)$ = baseband signal
- = intelligence signal
- = information bearing signal
- = message signal
- = input signal

Note that $m(t)$ can take any shape. For mathematical analysis, we assume $m(t)$ as sinusoidal (sine wave Or cosine wave)

FREQUENCY DEVIATION (Δ_f)

The frequency deviation is useful in determining the FM signal bandwidth. Note that the deviation means change or variation. Δ_f is the maximum change in instantaneous frequency from f_c (carrier) is called frequency deviation (Δ_f).

The amount of deviation i.e., variation depends upon the amplitude (loudness) of the modulating signal (i.e., audio signal). This means that louder the signal, greater the frequency deviation and vice-versa.

NOTE

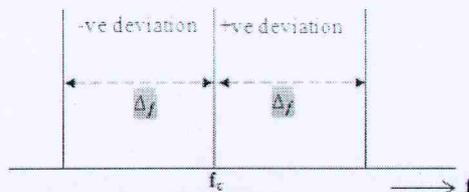
Change in instantaneous frequency w_i from f_c depends upon the magnitude and sign of $k_f m(t)$. Therefore frequency deviation $\Delta_f = |k_f m(t)|_{max} = k_f A_m$

The maximum change in instantaneous frequency from the carrier frequency (Δ_f) is called frequency deviation. Remember that a maximum frequency deviation of 75 KHz is allowed for commercial FM broadcasting (88 MHz – 108 MHz).

CARRIER SWING

The total variation in carrier frequency from the lowest to highest point is called carrier swing.

$$\text{Carrier swing (in FM)} = 2 \times \Delta_f$$



For commercial FM broadcast	→	$\Delta_f = 75 \text{ kHz}$
For TV broadcast	→	$\Delta_f = 200 \text{ kHz}$

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IAT 3

ANSWER KEY

PART A

1. What is string efficiency in suspension type insulators?

The ratio of voltage across the whole string to the product of number of discs and the voltage across the disc nearest to the conductor is known as string efficiency

$$\text{String efficiency} = \frac{\text{Voltage across the string}}{n \times \text{Voltage across disc nearest to conductor}}$$

where

n = number of discs in the string.

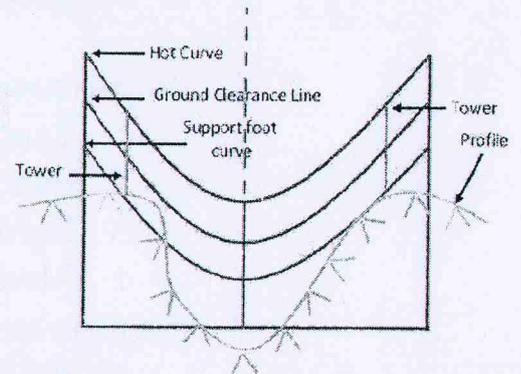
2. What are the factors affecting the sag in a transmission line?

The sag are only true for still air and normal temperature conditions. However, in actual practice conductors are suspended to wind pressures and often loaded with ice coating in cold areas. The force due to wind is assumed to act horizontally to the conductor. And the force applied by ice loading is vertically downwards. Therefore, the total force on the conductor is the vector sum of vertical and horizontal forces.

3. What is meant by sag template?

The sag template is used for allocating the position and height of the supports correctly on the profile. The sag template decided the limitations of vertical and wind load. It also limits the minimum clearance angle between the sag and the ground for safety purpose.

1. Hot Template Curve or Hot Curve
2. Ground Clearance Curve
3. Support Foot or Tower Curve
4. Cold Curve or Uplift Curve



4. What is the purpose of insulator?

The overhead line conductors should be supported on the poles or towers in such a way that currents from conductors do not flow to earth through supports i.e., line conductors must be properly insulated from supports.

This is achieved by securing line conductors to supports with the help of insulators. The insulators provide necessary insulation between line conductors and supports and thus prevent any leakage current from conductors to earth.

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PART B

7.

In an overhead line, the sag should be so adjusted that tension in the conductors is within safe limits. The tension is governed by conductor weight, effects of wind, ice loading and temperature variations. It is a standard practice to keep conductor tension less than 50% of its ultimate tensile strength *i.e.*, minimum factor of safety in respect of conductor tension should be 2. We shall now calculate sag and tension of a conductor when (i) supports are at equal levels and (ii) supports are at unequal levels.

(i) When supports are at equal levels. Consider a conductor between two equilevel supports *A* and *B* with *O* as the lowest point as shown in Fig. 8.24. It can be proved that lowest point will be at the mid-span.

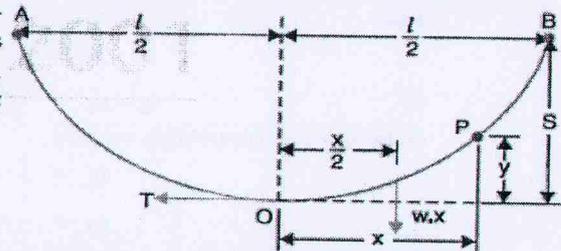


Fig. 8.24

Let

l = Length of span

w = Weight per unit length of conductor

T = Tension in the conductor.

Consider a point *P* on the conductor. Taking the lowest point *O* as the origin, let the co-ordinates of point *P* be *x* and *y*. Assuming that the curvature is so small that curved length is equal to its horizontal projection (*i.e.*, $OP = x$), the two forces acting on the portion *OP* of the conductor are :

- (a) The weight $w x$ of conductor acting at a distance $x/2$ from *O*.
- (b) The tension T acting at *O*.

Equating the moments of above two forces about point *O*, we get,

$$T y = w x \times \frac{x}{2}$$

or

$$y = \frac{w x^2}{2 T}$$

The maximum dip (sag) is represented by the value of *y* at either of the supports *A* and *B*.

At support *A*, $x = l/2$ and $y = S$

$$\therefore \text{Sag } S = \frac{w(l/2)^2}{2T} = \frac{w l^2}{8 T}$$

(ii) When supports are at unequal levels. In hilly areas, we generally come across conductors suspended between supports at unequal levels. Fig. 8.25 shows a conductor suspended between two supports *A* and *B* which are at different levels. The lowest point on the conductor is *O*.

Let

l = Span length

h = Difference in levels between two supports

x_1 = Distance of support at lower level (*i.e.*, *A*) from *O*

x_2 = Distance of support at higher level (*i.e.*, *B*) from *O*

T = Tension in the conductor

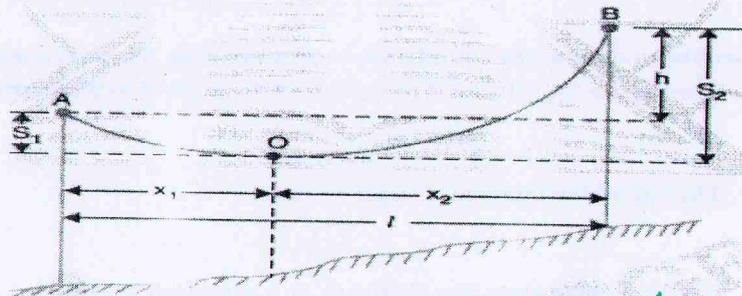


Fig. 8.25

If w is the weight per unit length of the conductor, then,

$$\text{Sag } S_1 = \frac{w x_1^2}{2 T}$$

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8.

The ratio of voltage across the whole string to the product of number of discs and the voltage across the disc nearest to the conductor is known as string efficiency i.e.,

$$\text{String efficiency} = \frac{\text{Voltage across the string}}{n \times \text{Voltage across disc nearest to conductor}}$$

where n = number of discs in the string.

String efficiency is an important consideration since it decides the potential distribution along the string. The greater the string efficiency, the more uniform is the voltage distribution. Thus 100% string efficiency is an ideal case for which the voltage across each disc will be exactly the same. Although it is impossible to achieve 100% string efficiency, yet efforts should be made to improve it as close to this value as possible.

Mathematical expression. Fig. 8.11 shows the equivalent circuit for a 3-disc string. Let us suppose that self capacitance of each disc is C . Let us further assume that shunt capacitance C_1 is some fraction K of self-capacitance i.e., $C_1 = KC$. Starting from the cross-arm or tower, the voltage across each unit is V_1, V_2 and V_3 respectively as shown.

Applying Kirchhoff's current law to node A, we get,

$$I_2 = I_1 + I_1$$

$$\text{or } V_2 \omega C^* = V_1 \omega C + V_1 \omega C_1$$

$$\text{or } V_2 \omega C = V_1 \omega C + V_1 \omega KC$$

$$\therefore V_2 = V_1 (1 + K) \quad \dots(i)$$

Applying Kirchhoff's current law to node B, we get,

$$I_3 = I_2 + I_2$$

$$\text{or } V_3 \omega C = V_2 \omega C + (V_1 + V_2) \omega C_1$$

$$\text{or } V_3 \omega C = V_2 \omega C + (V_1 + V_2) \omega KC$$

$$\text{or } V_3 = V_2 + (V_1 + V_2)K$$

$$= KV_1 + V_2 (1 + K)$$

$$= KV_1 + V_1 (1 + K)^2$$

$$= V_1 [K + (1 + K)^2]$$

$$\therefore V_3 = V_1 [1 + 3K + K^2] \quad \dots(ii)$$

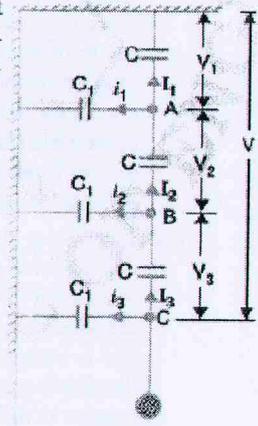


Fig. 8.11

$$[\because V_2 = V_1 (1 + K)]$$

Voltage between conductor and earth (i.e., tower) is

$$V = V_1 + V_2 + V_3$$

$$= V_1 + V_1(1 + K) + V_1(1 + 3K + K^2)$$

$$= V_1(3 + 4K + K^2)$$

$$\therefore V = V_1(1 + K)(3 + K) \quad \dots(iii)$$

From expressions (i), (ii) and (iii), we get

$$\frac{V_1}{1} = \frac{V_2}{1 + K} = \frac{V_3}{1 + 3K + K^2} = \frac{V}{(1 + K)(3 + K)} \quad (iv)$$

$$\therefore \text{Voltage across top unit, } V_1 = \frac{V}{(1 + K)(3 + K)}$$

$$\text{Voltage across second unit from top, } V_2 = V_1 (1 + K)$$

$$\text{Voltage across third unit from top, } V_3 = V_1 (1 + 3K + K^2)$$

$$\% \text{age String efficiency} = \frac{\text{Voltage across string}}{n \times \text{Voltage across disc nearest to conductor}} \times 100$$

$$= \frac{V}{3 \times V_1} \times 100$$

The following points may be noted from the above mathematical analysis.

- (i) If $K = 0.2$ (Sav), then from exp. (iv), we get, $V_2 = 1.2 V_1$ and $V_3 = 1.64 V_1$. This clearly shows that disc nearest to the conductor has maximum voltage across it, the voltage across other discs decreasing progressively as the cross-arm is approached.
- (ii) The greater the value of $K (= C_1/C)$, the more non-uniform is the potential across the discs and lesser is the string efficiency.
- (iii) The inequality in voltage distribution increases with the increase of number of discs in the string. Therefore, shorter string has more efficiency than the larger one.


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 Chennai - 603103.

9.

1. Flashover Test

There are mainly three types of flashover test performed on an insulator and these are-

Power Frequency Dry Flashover Test of Insulator

First the insulator to be tested is mounted in the manner in which it would be used practically.

- Then terminals of variable power frequency voltage source are connected to the both electrodes of the insulator.
- Now the power frequency voltage is applied and gradually increased up to the specified value. This specified value is below the minimum flashover voltage.
- This voltage is maintained for one minute and observe that there should not be any flash-over or puncture occurred.
- The insulator must be capable of sustaining the specified minimum voltage for one minute without flash over.

Power Frequency Wet Flashover Test or Rain Test of Insulator

In this test also the insulator to be tested is mounted in the manner in which it would be used practically.

- Then terminals of variable power frequency voltage source are connected to the both electrodes of the insulator.
- After that the insulator is sprayed with water at an angle of 45° in such a manner that its precipitation should not be more 5.08 mm per minute. The resistance of the water used for spraying must be between 9 kΩ to 11 kΩ per cm³ at normal atmospheric pressure and temperature. In this way we create artificial raining condition.
- Now the power frequency voltage is applied and gradually increased up to the specified value.
- This voltage is maintained for either one minute or 30 second as specified and observe that there should not be any flash-over or puncture occurred. The insulator must be capable of sustaining the specified minimum power frequency voltage for specified period without flash over in the said wet condition.

Power Frequency Flashover Voltage test of Insulator

The insulator is kept in similar manner of previous test.

In this test the applied voltage is gradually increased in similar to that of previous tests. But in that case the voltage when the surroundings air breaks down, is noted.

Impulse Frequency Flashover Voltage Test of Insulator

The overhead outdoor insulator must be capable of sustaining high voltage surges caused by lightning etc. So this must be tested against the high voltage surges.

- The insulator is kept in similar manner of previous test.
- Then several hundred thousand Hz very high impulse voltage generator is connected to the insulator.
- Such a voltage is applied to the insulator and the spark over voltage is noted.
- The ratio of this noted voltage to the voltage reading collected from power frequency flashover voltage test is known as impulse ratio of insulator.

$$\text{Impulse Ratio} = \frac{\text{Impulse Frequency Flashover Voltage}}{\text{Power Frequency Flashover Voltage}}$$

This ratio should be approximately 1.4 for pin type insulator and 1.3 for suspension type insulators.



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10.

Solution.

Span length, $l = 275 \text{ m}$; Wt. of conductor/m length, $w = 0.865 \text{ kg}$

Conductor diameter, $d = 1.96 \text{ cm}$; Ice coating thickness, $t = 1.27 \text{ cm}$

Working tension, $T = 8060/2 = 4030 \text{ kg}$

Volume of ice per metre (i.e., 100 cm) length of conductor

$$= \pi t (d + t) \times 100 \text{ cm}^3$$

$$= \pi \times 1.27 \times (1.96 + 1.27) \times 100 = 1288 \text{ cm}^3$$

Weight of ice per metre length of conductor is

$$w_i = 0.91 \times 1288 = 1172 \text{ gm} = 1.172 \text{ kg}$$

Wind force/m length of conductor is

$$w_w = [\text{Pressure}] \times [(d + 2t) \times 100]$$

$$= [3.9] \times (1.96 + 2 \times 1.27) \times 100 \text{ gm} = 1755 \text{ gm} = 1.755 \text{ kg}$$

Total weight of conductor per metre length of conductor is

$$w_t = \sqrt{(w + w_i)^2 + (w_w)^2}$$

$$= \sqrt{(0.865 + 1.172)^2 + (1.755)^2} = 2.688 \text{ kg}$$

\therefore

$$\text{Sag} = \frac{w_t l^2}{8T} = \frac{2.688 \times (275)^2}{8 \times 4030} = 6.3 \text{ m}$$

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EEE- 2.5.2

n year (even sem)

MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai - 603103

INDIVIDUAL SUBJECT MARK SHEET - IAT I

Department of EEE

Sub.Code/Sub.Name: EE 3401/Transmission and Distribution

Year/Sem: II/IV

Name of the Faculty: Mr.S.V.Vinodh

Date of Exam: 16-02-2023

Sl. no.	Reg No.	Name	Question No.										IAT (60)	Total (100)	
			PART A					PART B							
			6 X 2 = 12					4 X 12 = 48							
			1	2	3	4	5	6	7	8	9	10			
1	311821105001	ABDUL MALIK J				2	2	2	4	10	8	2	30	50	Dr
2	311821105002	DILLIGANESH A	0	0					4	6	0	5	15	25	Dr
3	311821105004	KARTHICK A								3			3	5	Dr
4	311821105005	MOHAMED BASIL S	1						12	10	8	10	41	68	Dr
5	311821105006	MOHAMED IZZAT. A	2	2		2	1	1	12	6		6	32	53	Dr
6	311821105008	MOHANRAJ.K	1	1	1								3	5	Dr
7	311821105010	NAGARAJ. B	1	1	1					6		3	12	20	Dr
8	311821105011	SHARAIR SARFAN S.A	2	1	1	1				2			7	12	Dr
9	311821105012	SRIKARTHIK.V	1	1		2	2	2	12	10		10	40	67	Dr
10	311821105013	SYED HIFSUL RAHMAN F	2	2	2	2	2	2	12	10	8	12	54	90	Dr
11	311821105014	THAMEEM ANSAARI I.S	0		1	1	0			8	6		16	27	Dr
12	311821105015	THIYAGU . A								8			8	13	Dr
13	311821105301	AL MUHASIF RIFATH M							12	4			16	27	Dr
14	311821105302	HARIHARAN C	1	1	1	2	1	2	10	8	6		32	53	Dr
15	311821105304	PRASAD N	2	2		2	2	2	12	10	5		37	62	Dr
16	311821105305	SANTHOSH KUMAR V	1				2	2		8			13	22	Dr

*Mark "A" for absent

Total no of students	16
No.of Students Present	16
No.of Students Absent	0
No.of Students Pass	7
No.of Students Fail	9
Pass Percentage	44%

Subject in-charge

Format no: RA 01

Rev.no. 1.0

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 Chennai - 603103.

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INDIVIDUAL SUBJECT MARK SHEET - IAT II

Department of EEE

Sub.Code/Sub.Name: EE3401 Transmission & Distribution

Year/Sem: II/IV

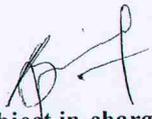
Name of the Faculty: S.V.Vinodh

Date of Exam: 09-03-2023

Sl. no.	Reg No.	Name	Question No.										IAT (60)	Total (100)
			PART A					PART B						
			6 X 2 = 12					4 X 12 = 48						
			1	2	3	4	5	6	7	8	9	10		
1	311821105001	ABDUL MALIK J	2	1	2	1	2	2	10	5	6	4	35	58
2	311821105002	DILLIGANESH A	1	2	1	2	2	1	0	0	6		15	25
3	311821105004	KARTHICK A							2				2	3
4	311821105005	MOHAMED BASIL S	2	1	1	2	2	2	8	3	6	3	30	50
5	311821105006	MOHAMED IZZAT. A	2	2	2	0	1	1	10	5	3	0	26	43
6	311821105008	MOHANRAJ.K	0	0		0	1	0					1	2
7	311821105010	NAGARAJ. B		0			2						2	3
8	311821105011	SHARAIR SARFAN S.A	2	1	1	1	1	1	8	5			20	33
9	311821105012	SRIKARTHIK. V	2	1	2	1	2	2	12	8	8	4	42	70
10	311821105013	SYED HIFZUL RAHMAN F	2	2	2	2	1	2	10	11	10	12	54	90
11	311821105014	THAMEEM ANSAARI I.S	1	1	1	1	1	2	8		8		23	38
12	311821105015	THIYAGU . A									5		5	8
13	311821105301	AL MUHASIF RIFATH M							4				4	7
14	311821105302	HARIHARAN C	0	0	0	1	1	0	1	3	5	6	17	28
15	311821105304	PRASAD N	2	1	2	2	2	2	12	4	7	2	36	60
16	311821105305	SANTHOSH KUMAR V							5				5	8

*Mark "A" for absent

Total no of students	16
No.of Students Present	16
No.of Students Absent	0
No.of Students Pass	5
No.of Students Fail	11
Pass Percentage	31%


Subject in-charge


Do. JETA. J

Fromat no: RA 01

Rev.no. 1.0

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INDIVIDUAL SUBJECT MARK SHEET - IAT III

Department of Electrical and Electronics Engineering

Sub.Code/Sub.Name: EE3401/Transmission and Distribution

Year/Sem: II/IV

Name of the Faculty: S.V.Vinodh

Date of exam: 29.03.23

Sl. no.	Reg No.	Name	Question No.										IAT	Total (100)	
			PART A					PART B							
			6X 2 = 12					4X 12 = 48							
			1	2	3	4	5	6	7	8	9	10			60
1	311821105001	ABDUL MALIK J	2	1		2	1	2	2	9	4	12	35	60	<i>[Signature]</i>
2	311821105002	DILLIGANESH A	2	1	1		1	2		5	9	9	30	51	<i>[Signature]</i>
3	311821105004	KARTHICK A								9			9	15	<i>[Signature]</i>
4	311821105005	MOHAMED BASIL S	1	2	1	2	1	2	6	5	8	10	38	65	<i>[Signature]</i>
5	311821105006	MOHAMED IZZAT. A	2						3	9	8	10	32	54	<i>[Signature]</i>
6	311821105008	MOHANRAJ.K								3			3	5	<i>[Signature]</i>
7	311821105010	NAGARAJ. B								2	8	10	20	34	<i>[Signature]</i>
8	311821105011	SHARAIR SARFAN S.A	2	2	2	1	1	2	6	2	9	5	32	54	<i>[Signature]</i>
9	311821105012	SRIKARTHIK.V	2	2	1	2	0	2	10	10	10	12	51	87	<i>[Signature]</i>
10	311821105013	SYED HIFSUL RAHMAN	2	2	2	2	2	2	12	11	10	12	57	97	<i>[Signature]</i>
11	311821105014	THAMEEM ANSAARI I.S	1		1			1	2	3	8	8	24	41	<i>[Signature]</i>
12	311821105015	THIYAGU . A	2	0			0	2		6	10	12	32	54	<i>[Signature]</i>
13	311821105301	AL MUHASIF RIFATH M							9	3	8		20	34	<i>[Signature]</i>
14	311821105302	HARIHARAN C	2	1	2		2	2			10	11	30	51	<i>[Signature]</i>
15	311821105304	PRASAD	2			2		2	10	10	8	12	46	78	<i>[Signature]</i>
16	311821105305	SANTHOSH KUMAR								3			3	5	<i>[Signature]</i>

*Mark "A" for absent

Total no.of students:	16
No.of students present:	16
No.of students absent:	0
No.of students pass:	10
No.of students fail:	7
Pass Percentage:	62.5

[Signature]
Subject in-charge

Fromat no: RA 01

Rev.no. 1.0

[Signature]
Dr. JEHA.J

[Signature]

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MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai - 603103

Academic Year -2022 - 2023

DEPARTMENT INTERNAL ASSESSMENT - II ANALYSIS

S.no	Reg. No.	Name of the Students	M/F	H/D	CUT OFF	Branch: EEE						No of Subjects failed	
						T&D	LIC	M&I	MPMC	EM II	EVS		
1	311821105001	ABDUL MALIK J	M	H		58	53	62	82	60	50	0	
2	311821105002	DILLIGANESH A	M	D		25	50	17	25	3	22	5	
3	311821105004	KARTHICK A	M	D		3	18	10	8	6	AB	6	
4	311821105005	MOHAMED BASIL S	M	H		50	50	55	30	63	AB	2	
5	311821105006	MOHAMED IZZAT. A	M	D		43	50	57	42	68	59	2	
6	311821105008	MOHANRAJ.K	M	H		2	6	30	13	5	11	6	
7	311821105010	NAGARAJ. B	M	D		3	6	15	2	17	17	6	
8	311821105011	SHARAIR SARFAN S.A	M	H		33	62	52	23	70	54	2	
9	311821105012	SRIKARTHIK.V	M	D		70	63	57	90	77	76	0	
10	311821105013	SYED HIFSUL RAHMAN F	M	D		90	97	100	100	97	86	0	
11	311821105014	THAMEEM ANSAARI I.S	M	D		38	30	57	55	37	AB	4	
12	311821105015	THIYAGU. A	M	D		8	37	ab	0	17	AB	6	
13	311821105301	AL MUHASIF RIFATH M	M	D		7	22	50	15	30	46	5	
14	311821105302	HARIHARAN C	M	H		28	50	27	3	28	AB	4	
15	311821105304	PRASAD N	M	H		60	80	63	60	70	67	1	
16	311821105305	SANTHOSH KUMAR V	M	D		8	33	28	3	35	37	6	
WH & ABSENT (UA)						0	0	0	0.0	0	0	3	All pass
"U" COUNT						0	0	0	0	0	0	1	1-Arr
"O" COUNT						0	1	1	1	1	0	3	2-Arr
"A+" COUNT						1	0	0	2	0	1	0	3-Arr
"A" COUNT						0	1	0	0	1	1	2	4-Arr
"B+" COUNT						1	2	2	0	4	1	2	5-Arr
"B" COUNT						3	5	6	2	1	3	5	>5-Arr
TOTAL APPEARED						16	16	15	15	16	11	73	Script Ps
PASS %						31%	56%	56%	31%	44%	38%	47%	Script Tot
FAIL						11	7	6	11	9	10	16	Script %
SUBJECTS						T&D	LIC	M&I	MPMC	EM II	EVS	19%	Total App
CODE						EE3401	EE3402	EE3403	EE3404	E3405	GE3451		Pass per
STAFF						Mr.S.V.Vinodh	Mrs.K.Anupreya	Mr.N.Suresh	Mrs.C.Archan	Dr.J.Jeha	Dr.Someshwaran	13	Total fail

Handwritten notes and signatures on the right side of the table, including names like 'Bran', 'Syaed', 'Thameem', 'Rifath', 'Hare', 'Santhosh'.

	FACULTY	SUB	"O"	"A"	"B+"	"B"	"U"	UA	Pass	Fail	Pass %
EE3401	Mr.S.V.Vinodh	T&D	1	0	2	5	0	0	6	10	31%
EE3402	Mrs.R.Anupreya	LIC	1	0	0	2	0	0	5	11	56%
EE 3403	Mr.N.Suresh	M&I	0	0	1	3	0	0	5	11	56%
EE 3404	Mrs.C.Archan	MPMC	1	0	2	6	0	0	9	6	31%
EE 3405	Dr.J.Jeha	EM II	0	1	1	3	0	0	6	10	44%
GE 3451	Dr.Someshwaran	EVS	1	1	2	5	0	0	9	7	38%

Handwritten signature of Faculty In-charge.

Format No. RA 02

Handwritten signature and date: 26/03/2023, Head academics.

Rev. Date: 04.01.21

Handwritten signature of Principal and printed name: **PRINCIPAL**
 Mohamed Sathak A.J. College of Engineering
 No.34, Rajiv Gandhi Salai (OMR)
 Sipcot - IT Highway Egattur,
 Chennai - 603103.

MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai - 603103

Academic Year -2022 - 2023

DEPARTMENT INTERNAL ASSESSMENT - III ANALYSIS

Year: II		Semester: IV			Branch: EEE				Section:			No of Subjects failed	
S.no	Reg. No.	Name of the Students	M/F	H/D	CUT OFF	T&D	LIC	M&I	MPMC	EM II	ESS		
						EE3401	EE3402	EE3403	EE3404	EE3405	GE3451		
1	311821105001	ABDUL MALIK J	M	H		60	62	85	53	57	59	0	
2	311821105002	DILLIGANESH A	M	D		51	52	23	12	12	18	4	
3	311821105004	KARTHICK A	M	D		15	17	5	0	20	6	6	
4	311821105005	MOHAMED BASIL S	M	H		65	53	72	60	43	58	3	
5	311821105006	MOHAMED IZZAT. A	M	D		54	50	38	55	0	AB	3	
6	311821105008	MOHANRAJ.K	M	H		5	13	7	3	0	AB	6	
7	311821105010	NAGARAJ. B	M	D		34	8	7	8	5	3	6	
8	311821105011	SHARAIR SARFAN S.A	M	H		54	60	60	24	55	50	1	
9	311821105012	SRIKARTHIK.V	M	D		87	87	93	43	72	79	1	
10	311821105013	SYED HIFSUL RAHMAN F	M	D		97	97	100	73	98	87	0	
11	311821105014	THAMEEM ANSAARI I.S	M	D		41	50	50	23	22	38	4	
12	311821105015	THIYAGU . A	M	D		54	50	23	13	12	10	4	
13	311821105301	AL MUHASIF RIFATH M	M	D		34	57	28	22	15	38	5	
14	311821105302	HARIHARAN C	M	H		50	55	33	12	50	13	3	
15	311821105304	PRASAD N	M	H		78	87	70	35	72	63	1	
16	311821105305	SANTHOSH KUMAR V	M	D		5	18	15	20	37	24	6	
WH & ABSENT (UA)						0	0	0	0	0	4	2	All pass
"U" COUNT						6	4	9	12	10	6	3	1-Arr
"O" COUNT						1	1	2	0	1	0	0	2-Arr
"A+" COUNT						1	2	1	0	0	1	3	3-Arr
"A" COUNT						1	0	1	1	2	1	3	4-Arr
"B+" COUNT						1	1	1	0	0	1	1	5-Arr
"B" COUNT						6	8	2	3	3	3	4	>5-Arr
TOTAL APPEARED						16	16	16	16	16	12	96	Script Ps
PASS %						63%	75%	44%	25%	38%	38%	49%	Script %
FAIL						6	4	9	12	10	6	92	Total App
SUBJECTS						T&D	LIC	M&I	MPMC	EM II	ESS		
CODE						EE3401	EE3402	EE3403	EE3404	E3405	GE3451	13%	Pass per
STAFF						Mr.S.V.Vinodh	Mrs.K.Anupreya	Mr.N.Suresh	Mrs.C.Archan	Dr.J.Jeha	Dr.Someshwaran	14	Total fail

Handwritten notes:
 At
 Dile
 Kish
 Basil
 A. J
 Mohan
 B. nips
 Sayan
 Syed
 Thim
 Thy
 Rishith
 Han
 Prasad
 Karth

FACULTY	SUB	"O"	"A"	"B+"	"B"	"U"	UA	Pass	Fail	Pass %
EE3401 Mr.S.V. Vinodh	T&D	1	2	1	6	6	0	10	6	63%
EE3402 Mrs.R.Anupreya	LIC	1	2	1	8	4	0	12	4	75%
EE 3403 Mr.N.Suresh	M&I	2	2	1	2	9	0	7	9	44%
EE 3404 Mrs.C.Archan	MPMC	0	1	0	3	12	0	4	12	25%
EE 3405 Dr.J.Jeha	EM II	1	2	0	3	10	0	6	10	38%
GE 3451 Dr.Someshwaran	EVS	0	2	1	3	6	4	6	10	38%

Signature
 Faculty In-charge
 05/04/23
 Format No.: RA 02

Signature
 Dr. J. J. J.

Signature
 Head academics
 Dr. A. BARAKRISHNAN
 Rev. Date: 04.01.21

Signature
PRINCIPAL
 Mohamed Sathak A.J. College of Engineering
 No.34, Rajiv Gandhi Salai (GMR)
 Sipcot - IT Highway Egattur,
 Chennai - 603103.



Mohamed Sathak A J College of Engineering

Rajiv Gandhi Salai (OMR), Sipcot IT Park, Chennai - 603103

Academic Year -2022 - 2023 / ODD

IV CSE - IAT III Result Analysis

Year: IV

Semester: VII

Branch: CSE

S.no	Reg. No.	Name of the Students	M/F	H/D	CC	CNS	HCI	POM	LSS	No of Subjects failed
					CS8791	CS8792	CS8079	MG8591	OMF751	
1	311819104002	AFRAR AHAMED	M	D	80	34	50	50	74	1
2	311819104003	AMJATH	M	H	AB	30	AB	AB	AB	5
3	311819104004	ANUM FARHEEN	M	D	AB	86	AB	AB	AB	4
4	311819104005	ARIHARAN. T	M	D	54	52	32	54	58	1
5	311819104006	ASHFAQUE AHAMED. F	F	D	40	28	30	40	30	5
6	311819104007	ATIF AHMED ANSARI	M	D	AB	10	8	AB	AB	5
7	311819104008	BASHEER AHAMED. V	M	H	AB	24	36	58	42	4
8	311819104009	FADAL RAZIN .S	M	D	72	64	50	56	32	1
9	311819104010	FARDEEN SHA	M	D	AB	30	AB	AB	64	4
10	311819104011	FAUWAAZ ASHAL	M	D	92	60	28	60	AB	2
11	311819104012	HAMEED JAHUFAR HAJA ALAUDIN N.H	M	H	AB	52	AB	AB	0	4
12	311819104013	HAMZA ADHNAN SHAKIR	M	H	16	32	30	AB	64	4
13	311819104015	HARINE. R	M	D	98	98	66	84	88	0
14	311819104016	HUSSAINA PARVEEN	M	D	98	86	52	70	68	0
15	311819104017	HYDER ALI. M	M	D	AB	6	AB	AB	AB	5
16	311819104018	JAVID BASHA J	M	D	44	AB	16	34	48	5
17	311819104019	KARTHIKEYAN. R	F	D	16	AB	12	14	20	5
18	311819104020	MOHAMED AADIL. A	M	D	58	24	10	54	66	2
19	311819104021	MOHAMED ABUL FAIZ	M	H	AB	50	AB	AB	AB	4
20	311819104022	MOHAMED AKIL. H	M	D	42	12	24	38	28	5
21	311819104023	MOHAMED FAIZ ALI	M	D	76	90	50	62	74	0
22	311819104025	MOHAMED MUSARAF	M	D	20	AB	8	42	16	5
23	311819104026	MUHAMMAD MUNSHID P.P	M	D	20	AB	6	AB	22	5
24	311819104027	MUHAMMED SHIBIL	F	D	20	10	10	34	30	5
25	311819104028	MUSTHABUSHIRA S.M	F	H	98	82	58	80	76	0
26	311819104029	NAFISA MAHIRA K.M	M	H	80	74	AB	AB	88	2
27	311819104030	NAVANEETHAN P	F	D	60	32	32	42	58	3
28	311819104031	NAVEENA R	M	D	98	70	AB	60	AB	2
29	311819104032	NITHISH. B	M	D	60	24	50	32	52	2
30	311819104033	NOWFAL. K	M	D	AB	44	AB	50	66	3
31	311819104034	PRAKASH. T	M	D	64	30	34	52	62	2
32	311819104035	PRATHIKSHA S	F	D	76	88	50	68	66	0
33	311819104037	ROHITH. E.S	M	D	76	58	26	58	70	1
34	311819104038	SAJITHA N	F	D	98	80	68	78	78	0
35	311819104039	SALAMATH.N	M	D	60	20	50	54	54	2

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36	311819104040	SALMAN FARISH A.J	M	D	76	56	50	78	68	0	
37	311819104041	SANJAY KHANNA. S	M	D	82	84	50	66	56	0	
38	311819104042	SHAAFIA TASNEEM. N	F	D	96	76	64	76	66	0	
39	311819104043	SHAHIDHA. K	F	D	98	98	66	78	88	0	
40	311819104044	SHALINI .S	F	D	72	60	50	64	54	0	
41	311819104045	SUHAIL BASHA. A	M	D	92	50	58	70	90	0	
42	311819104046	SUSHMITHA	F	D	76	AB	50	54	66	1	
43	311819104047	SYED SUHEAB A	M	D	70	64	AB	50	22	2	
44	311819104048	SYED SULAIMAN SAIT. H	M	D	AB	32	AB	AB	AB	5	
45	311819104049	TAHIR JAMAL	M	D	AB	6	AB	AB	8	5	
46	311819104050	VANCHINATHAN. V	M	D	36	26	34	44	22	5	
47	311819104051	VISHAL .V	M	D	76	56	28	64	70	1	
48	311819104052	YASAR ARAFARTH	M	D	AB	40	AB	AB	AB	5	
49	311819104301	AHAMAD BASHA	M	D	88	AB	30	72	2	3	
50	311819104302	BHUVANESHWARI.V.B	F	D	98	72	50	62	50	0	
51	311819104303	V.DHANUSH	M	D	90	56	36	58	AB	2	
52	311819104304	MUDDASIR AHMAD M	M	D	82	42	50	66	56	1	
WH & ABSENT (UA)					12	6	13	13	10	13	All pass
"U" COUNT					10	20	21	9	14	7	1-Arr
"O" COUNT					10	2	0	0	0	9	2-Arr
"A+" COUNT					4	6	0	1	4	3	3-Arr
"A" COUNT					10	4	0	6	4	6	4-Arr
"B+" COUNT					2	3	4	9	12	14	5-Arr
"B" COUNT					4	11	14	14	8	0	>5-Arr
PASS					30	26	18	30	28	132	Script Ps
TOTAL APPEARED					70	72	57	69	70	338	Script Tot
PASS %					43%	36%	32%	43%	40%	39%	Script %
FAIL					22	26	34	22	24	52	Total App
SUBJECTS					CC	CNS	HCI	POM	LSS		
CODE					CS8791	CS8792	CS8079	MG8591	OMF751	25%	Pass per
STAFF					Ms. B.Pavithra	Ms. Aysha Sufreen	Mr. Ashok Kumar	Ms.S.Gayathri	Mr. K.K.Vinothkumar		

SUB CODE	FACULTY	SUB	"A+"	"A"	"B+"	"B"	"U"	Fail	Pass %
CS8791	Ms. B.Pavithra	CC	4	10	2	4	10	22	43%
CS8792	Ms. Aysha Sufreen	CNS	6	4	3	11	20	26	36%
CS8079	Mr. Ashok Kumar	HCI	0	0	4	14	21	34	32%
MG8591	Ms.S.Gayathri	POM	1	6	9	14	9	22	43%
OMF751	Mr.K.K.Vinothkumar	LSS	4	4	12	8	14	24	40%

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Rev. Date: 04.01.21



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Rajiv Gandhi Salai (OMR), Sipcot IT Park, Chennai - 603103

Academic Year -2022 - 2023 / ODD

IIYEAR CSE - IAT IV Result Analysis

Year: II

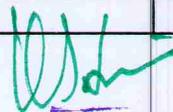
Semester: III

Branch:CSE

S.no	Reg. No.	Name of the Students	M/F	H/D	CUT OFF	DM	DSDCO	FDS	DS	OOPS	No of Subjects failed
						MA3354	CS3351	CS3352	CS3301	CS3391	
1	311821104001	AFREEN.H	F	H		67	78	80	30	45	2
2	311821104002	Ahamed Sheik.M	M	H		46	90	67	57	68	1
3	311821104003	ARIVUKKARASU K	M	H		67	56	98	67	79	0
4	311821104004	Ashif Hussain. K	M	H		89	43	78	56	45	2
5	311821104005	AZEEL AHMED.A	M	D		45	AB	ab	AB	82	4
6	311821104006	DARSHINI. K	F	D		90	98	86	87	89	0
7	311821104007	DEVI.G	F	H		40	56	78	67	30	2
8	311821104008	Dhanush Kumar. P	M	D		87	89	67	56	78	0
9	311821104009	DIVYA A	F	H		89	90	98	97	78	0
10	311821104010	GOKULNATH. R	M	H		67	78	67	56	67	0
11	311821104011	GULABI BASHARATH.A	M	D		98	99	98	89	90	0
12	311821104012	Harini. K	F	H		56	55	50	AB	78	1
13	311821104013	Harini. M	F	D		45	67	78	89	56	1
14	311821104014	Hassan . S	M	H		56	38	86	52	34	2
15	311821104015	KARISHMA. W	F	D		98	90	95	78	88	0
16	311821104016	KARTHIK.D	M	H		67	56	90	89	78	0
17	311821104017	Kasthuri.S	F	H		98	88	87	86	78	0
18	311821104018	Kaviya.K	F	H		89	87	67	78	56	0
19	311821104019	KAVIYA SRI E	F	D		77	78	78	45	56	1
20	311821104020	KEERTHANA. T	F	D		58	58	80	64	87	0
21	311821104021	LAKSHA.D	F	D		94	62	92	54	84	0
22	311821104022	Lenatamil.D	F	D		84	54	78	50	83	0
23	311821104023	Manikandan. J	M	D		88	58	86	72	85	0
24	311821104024	MARYAM SHAF A .J.S	F	D		86	64	88	72	80	0

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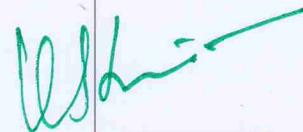
25	311821104025	MOHAMED AKEEL ABBAS	M	D		AB	34	56	24	87	3
26	311821104026	Mohamed Aniz.H	M	H		AB	34	45	50	35	4
27	311821104027	Mohamed Hamim. S	M	D		84	50	66	50	82	0
28	311821104028	Mohamed Ibrahim Arshath	M	H		86	30	76	50	45	2
29	311821104029	Mohamed Ismail	M	H		84	54	76	70	70	0
30	311821104030	Mohamed Rizwan. H	M	H		74	50	74	50	76	0
31	311821104031	Mohamed Saifudeen.T	M	H		82	50	70	34	70	1
32	311821104032	MOHAMED SAMEER.S	M	D		82	50	72	50	77	0
33	311821104033	Mohammed Aazil. H	M	D		AB	AB	ab	AB	ab	5
34	311821104034	MOHAMMED AFRIDH. M	M	D		38	AB	ab	AB	ab	5
35	311821104035	Mohammed Farhan. G	M	D		56	58	84	80	70	0
36	311821104036	MOHAMMED IRFAN.K.N	M	D		86	36	ab	78	ab	3
37	311821104037	Mohammed Jameel Asfer Z	M	D		76	78	90	82	86	0
38	311821104038	Muhammed Aakif.S	M	D		84	64	86	54	92	0
39	311821104039	Nabeeha Rahim	F	D		94	90	90	56	88	0
40	311821104040	Rahimudeen.B	M	H		44	2	56	38		3
41	311821104041	RASHIN.M	M	D		AB	AB	ab	AB	ab	5
42	311821104042	RASHITH.K	M	D		60	20	68	60	60	1
43	311821104043	RICHARDSON VETRIVEL.S	M	D		96	70	88	76	88	0
44	311821104044	RITHANYA .L	F	D		64	58	80	50	82	0
45	311821104045	RIYASKHAN. N	M	D		72	24	90	24	56	2
46	311821104046	RUFEENA MEHSABEEN.M	F	D		86	90	96	76	90	0
47	311821104047	SHREE HARLB	M	D		64	52	88	50	84	0
48	311821104048	SIJIN.R	M	H		86	84	90	70	85	0
49	311821104049	SUBASH.M	M	D		92	54	88	82	80	0
50	311821104050	SULAIMAN.H	M	D		88	54	94	72	88	0



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51	311821104051	SWETHA.S	F	D		70	52	76	50	84	0
52	311821104052	SYEDA ZUHA TASNEEM	M	D		68	62	88	70	81	0
53	311821104053	SYED JUMA FAHIL.	M	D		32	28	66	50	54	2
54	311821104054	SYED MOHAMMED MATEEN	M	D		90	70	74	68	77	0
55	311821104055	SAHIL AKTHER	M	D		50	12	52	56	65	1
56	311821104056	SYED SAMEER KHAN .S	M	D		70	50	88	70	79	0
57	311821104057	SYED SHAFIYUDEEN. H	M	D		58	50	50	24	50	1
58	311821104058	TAWFEEQ	M	D		70	50	70	32	71	1
59	311821104059	UMAMAHESWARI. E.D	M	D		94	84	94	72	88	0
60	311821104060	VISHALI	M	D		92	81	80	78	86	0
61	311821104061	YASAR .ARAFATH	M	D		50	56	84	52	68	0
62	311821104062	ZABITH KHAN Z	M	D		24	10	54	8	52	3
63	311821104301	BOOPATHY	M	D		34	16	66	26	46	4
64	311821104302	NARESH KUMAR	M	D		67	12	67	78	89	1
65	311821104303	FARHAN BASHA	M	D		67	34	67	68	78	1
66	311821104304	IMRAN AHAMED	M	D		45	36	55	50	60	2



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	WH & ABSENT (UA)	3	4	5	4	4	40	All pass				
	"U" COUNT	5	17	0	10	5	12	1-Arr				
	"O" COUNT	9	1	8	0	1	5	2-Arr				
	"A+" COUNT	21	9	22	2	30	4	3-Arr				
	"A" COUNT	10	1	16	13	9	2	4-Arr				
	"B+" COUNT	9	8	8	8	8	3	5-Arr				
	"B" COUNT	9	26	7	29	8	0	>5-Arr				
	PASS	58	45	61	52	56	272	Script Ps				
	TOTAL APPEARED	63	62	61	62	61	309	Script Tot				
	PASS %	92%	73%	100%	84%	92%	88%	Script %				
	FAIL	8	21	5	14	9	66	Total App				
	SUBJECTS	DM	DPCO	FDS	DS	OOPS	61%	Pass per				
	CODE	MA3354	CS3351	CS3352	CS3301	CS3391						
	STAFF	Mr.Rajkumar	MrS. E.Jeyanthi	Mr.Raja Sekar	Dr.T.R. Vedavathy	Mr.Hamer Shield						
	SUB CODE	FACULTY	SUB	"O"	"A+"	"A"	"B+"	"B"	"U"	UA	Fail	Pass %
	MA3354	Mr.Rajkumar	DM	9	21	10	9	9	5	3	8	92%
	CS3351	Mrs.E.Jeyanthi	DPCO	1	9	1	8	26	17	4	21	73%
	CS3352	Mr.Raja Sekar	FDS	8	22	16	8	7	0	5	5	100%
	CS3301	Dr.T.R.Vedhavathy	DS	0	2	13	8	29	10	4	14	84%
	CS3391	Mr.Hamer Shield	OOPS	1	30	9	8	8	5	4	9	92%

Faculty In-charge

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Rev. Date: 04.01.21

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MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai - 603103
OVERALL CLASS WISE IAT ANALYSIS - II

Department of Electrical and Electronics Engineering

Year	No. of Students			% of Pass	No. of Script			% of Pass	Dept. Overall % of Pass	
	Reg	Pass	Fail		Reg	Appeared	Pass		Student wise	Scriptwise
II Yr	16	2	14	13%	96	92	45	49%	17%	
III Yr	19	4	15	21%	76	67	36	54%		
IV Yr									47%	
Total	35	6	29	17%	172	159	81	52%		

II Year/III Sem

Subject	Faculty	No. of students					% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass	Details		Total	%	
EE 3401 T&D	Mr.S.V.Vinodh	16	0	9	7	57%	1-Arr	4	25%	
EE 3402 LIC	Mrs.R.Anupreya	16	0	12	4	75%	2-Arr	1	6%	
EE 3403 M&I	Mr.N.Suresh	16	0	7	9	44%	3-Arr	1	6%	
EE 3404 MPMC	Mrs.C.Archana	16	3	4	12	25%	4-Arr	4	25%	
EE 3405 EM2	Dr.J.Jeha	16	1	6	10	38%	5-Arr	1	6%	
GE 3451 EVS	Dr.Someshwaran	12	0	6	10	38%	>5-Arr	3	19%	

III Year/IV Sem

Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Pass	Total Fail	In this Sub alone		Details	Total	%
SSD	Mr.C.Venkatesh	19	8	11	3	42%	1-Arr	3	16%
PSG	Dr.A.Kamalaselven	19	9	10	0	47%	2-Arr	3	16%
ES	Mr.N.Suresh	19	9	10	0	47%	3-Arr	5	26%
SEM	Ms.C.Archana	19	10	9	0	53%	4-Arr	4	21%

IV Year/VII Sem

Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%

Faculty In-charge
Fromat no: RA 03

Rev.no. 1.0

HoD
S/A/23

Academic coordinator
Rev. Date: 04.01.21

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O' RALL CLASS WISE IAT-I ANALYSIS(2022-23) SF II SEM II
Department of Science and Humanities

Year	No. of Students			% of Pass	No. of Script			% of Pass	Dept. Overall % of Pass	
	Reg	Pass	Fail		Reg	Appeared	Pass		Student wise	21%
SEC-A(CSE A)	39	9	30	23%	273	272	148	54%		
SEC-B(IT)	38	10	24	26%	266	156	89	57%		
SEC-C(CSE-IT)	36	12	34	33%	252	252	153	61%		
SEC-D(CSBS&AIDS)	50	8	42	16%	357	280	133	48%		
SEC-E(ECE)	43	7	36	16%	301	301	104	35%	Scriptwise	54%
SEC-F(MECH,CIVIL,EEE)	23	2	28	9%	161	122	82	67%		
Total	229	48	194	21%	1610	1383	709	54%		

I Year/II Sem/Sec-A

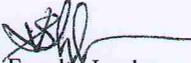
Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Mrs. K. SAIPRIYA	39	3		36	92%	All Pass	9	23%
MA3251/STATISTIS AND NUMERICAL METHODS	Dr. AMMU QUADSIYA	39	16		23	59%	1 Sub Fail	6	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Mr. M. SIMON JEYA SUNDER RAJ	39	19		20	51%	2 Sub Fail	11	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ANUSUYA	39	13		26	67%	3 Sub Fail	5	
GE3251/ENGINEERING GRAPHICS	Mr. VINOTH KUMAR	39	12		27	69%	4 Sub Fail	4	
CS3251/PROGRAMMING IN C	Ms. M. PANDEESWARI	39	18		21	54%	5 Sub Fail and above	4	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	39	24		15	38%			

I Year/II Sem/Sec-B

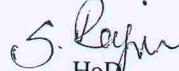
Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Dr. K. V. RESHMI	38	2		36	95%	All Pass	10	26%
MA3251/STATISTIS AND NUMERICAL METHODS	Mrs. S. SUDHA	38	13		25	66%	1 Sub Fail	5	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Mrs. V. SHOBANA	38	15		23	61%	2 Sub Fail	8	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ABIDA BEGAM	38	12		26	68%	3 Sub Fail	6	
GE3251/ENGINEERING GRAPHICS	Dr. S. SARAVANAN	38	11		27	71%	4 Sub Fail	5	
CS3251/PROGRAMMING IN C	Ms. M. PANDEESWARI	38	13		25	66%	5 Sub Fail and above	4	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	38	16		22	58%			

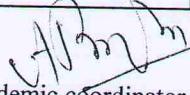
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PH3251/MATERIAL SCIENCE(MECH)	Mrs. HOBANA	12	6	8	35%	1 Sub Fail	6	9%
PH3201/PHYSICS FOR CIVIL ENGG.(CIVIL)	Dr. AMMUDHA	4	2	2	50%	2 Sub Fail	4	
PH3202/PHYSICS FOR ELECTRONICS ENGG.(EEE)	Mr. A. STEEPHENRAJ	7	3	4	57%	3 Sub Fail	5	
BE3255/BASIC CIVIL AND MECHANICAL ENGG.(EEE)	Dr. M. SHANMUGA SUNDARAM	7	4	3	43%	4 Sub Fail	3	
BE3252/BASIC ELECTRICAL AND ELECTRONICS INST	Dr. A. KAMALASELVAN	4	2	2	50%	5 Sub Fail and above	3	
BE3251/BASIC ELECTRICAL AND ELECTRONICS ENG	Dr. A. KAMALASELVAN	12	7	5	42%			
GE3251/ENGINEERING GRAPHICS	Dr. A. SARAVANAN	23	11	12	52%			
EE3251/ELECTRIC CIRCUIT ANALYSIS	Mr. C. VENKATESH	7	4	3	43%			
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	23	13	10	43%			


Faculty In-charge
Fromat no: RA 03

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Academic coordinator
Rev. Date: 04.01.21



OVERALL CLASS WISE IAT-II ANALYSIS (2022-23) SEM I SEM II

Department of Science and Humanities

Year	No. of Students			% of Pass	No. of Script			% of Pass	Dept. Overall % of Pass	
	Reg	Pass	Fail		Reg	Appeared	Pass		Student wise	20%
SEC-A(CSE A)	39	10	30	26%	273	270	138	51%		
SEC-B(IT)	38	9	24	24%	266	160	95	59%		
SEC-C(CSE-IT)	36	7	34	19%	252	235	130	55%		
SEC-D(CSBS&AIDS)	50	9	42	18%	357	290	145	50%		
SEC-E(ECE)	43	8	36	19%	301	295	94	32%	Scriptwise	50%
SEC-F(MECH,CIVIL,EEE)	23	4	28	17%	161	140	70	50%		
Total	229	47	194	20%	1610	1390	672	50%		

I Year/II Sem/Sec-A

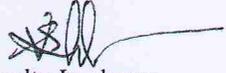
Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Mrs. K. SAIPRIYA	39	3		36	92%	All Pass	10	26%
MA3251/STATISTIS AND NUMERICAL METHODS	Dr. AMMU QUADSIYA	39	14		25	64%	1 Sub Fail	5	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Dr. AMMUDHA	39	12		27	69%	2 Sub Fail	9	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ANUSUYA	39	15		24	62%	3 Sub Fail	6	
GE3251/ENGINEERING GRAPHICS	Mr. VINOTH KUMAR	39	13		26	67%	4 Sub Fail	5	
CS3251/PROGRAMMING IN C	Ms. M. PANDEESWARI	39	18		21	54%	5 Sub Fail and above	4	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	39	24		15	38%			

I Year/II Sem/Sec-B

Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Dr. K. V. RESHMI	38	2		36	95%	All Pass	9	24%
MA3251/STATISTIS AND NUMERICAL METHODS	Mrs. S. SUDHA	38	15		23	61%	1 Sub Fail	8	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Mrs. V. SHOBANA	38	17		21	55%	2 Sub Fail	9	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ABIDA BEGAM	38	12		26	68%	3 Sub Fail	4	
GE3251/ENGINEERING GRAPHICS	Dr. S. SARAVANAN	38	10		28	74%	4 Sub Fail	5	
CS3251/PROGRAMMING IN C	Mrs. S. USEBALI	38	14		24	63%	5 Sub Fail and above	3	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USEBALI	38	13		25	66%			

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PH3201/PHYSICS FOR CIVIL ENGG.(CIVIL)	Dr. AMMUDHA	4	0	4	100%	3 Sub Fail	5	17%
PH3202/PHYSICS FOR ELECTRONICS ENGG.(EEE)	Mr. A. STEEPHENRAJ	7	4	3	43%	4 Sub Fail	3	
BE3255/BASIC CIVIL AND MECHANICAL ENGG.(EEE)	Dr. M. SHANMUGA SUND	7	3	4	57%	5 Sub Fail and above	2	
BE3252/BASIC ELECTRICAL AND ELECTRONICS INSTRUMENTATION	Dr. A. KAMALASELVAN	4	4	0	0%			
BE3251/BASIC ELECTRICAL AND ELECTRONICS ENGG (MECH)	Dr. A. KAMALASELVAN	12	7	5	42%			
GE3251/ENGINEERING GRAPHICS	Dr. A. SARAVANAN	23	8	15	65%			
EE3251/ELECTRIC CIRCUIT ANALYSIS	Mr. C. VENKATESH	7	3	4	57%			
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	23	12	11	48%			



Faculty In-charge
Fromat no: RA 03



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Academic coordinator
Rev. Date: 04.01.21



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MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai - 603103
OVERALL CLASS WISE IAT-III ANALYSIS(2022-23) SEM-II

Deaprtment of Science and Humanities

Year	No. of Students			% of Pass	No. of Script			% of Pass	Dept. Overall % of Pass	
	Reg	Pass	Fail		Reg	Appear ed	Pass		Stude nt wise	24%
SEC-A(CSE A)	39	14	30	36%	273	270	95	35%		
SEC-B(IT)	38	11	24	29%	266	160	95	59%		
SEC-C(CSE-IT)	36	9	34	25%	252	235	95	40%		
SEC-D(CSBS&AIDS)	50	11	42	22%	357	290	95	33%		
SEC-E(ECE)	43	8	36	19%	301	295	95	32%	Script wise	45%
SEC-F(MECH,CIVIL,EEE)	23	3	28	13%	161	140	95	68%		
Total	229	56	194	24%	1610	1390	570	45%		

I Year/II Sem/Sec-A

Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Mrs. K. SAIPRIYA	39	2		37	95%	All Pass	14	36%
MA3251/STATISTIS AND NUMERICAL METHODS	Dr. AMMU QUADSIYA	39	15		24	62%	1 Sub Fail	10	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Dr. AMMUDHA	39	13		26	67%	2 Sub Fail	8	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ANUSUYA	39	11		28	72%	3 Sub Fail	3	
GE3251/ENGINEERING GRAPHICS	Mr. VINOTH KUMAR	39	14		25	64%	4 Sub Fail	2	
CS3251/PROGRAMMING IN C	Ms. M. PANDEESWARI	39	14		25	64%	5 Sub Fail and above	2	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	39	16		23	59%			

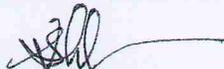
I Year/II Sem/Sec-B

Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Dr. K. V. RESHMI	38	1		37	97%	All Pass	11	29%
MA3251/STATISTIS AND NUMERICAL METHODS	Mrs. S. SUDHA	38	11		27	71%	1 Sub Fail	9	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Mrs. V. SHOBANA	38	12		26	68%	2 Sub Fail	8	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ABIDA BEGAM	38	13		25	66%	3 Sub Fail	5	
GE3251/ENGINEERING GRAPHICS	Dr. S. SARAVANAN	38	15		23	61%	4 Sub Fail	2	
CS3251/PROGRAMMING IN C	Ms. M. PANDEESWARI	38	12		26	68%	5 Sub Fail and above	3	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	38	16		22	58%			

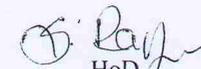
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 Spoot of Highway Egmore,
 Chennai - 603103.

I Year/ II Sem/Sec-F									
Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Dr. K. V. RESHMI	23	1		22	96%	All Pass	3	13%
MA3251/STATISTIS AND NUMERICAL METHODS	Mrs. N. SATHYA	23	9		14	61%	1 Sub Fail	4	
PH3251/MATERIAL SCIENCE(MECH)	Mrs. V. SHOBANA	12	6		6	50%	2 Sub Fail	7	
PH3201/PHYSICS FOR CIVIL ENGG.(CIVIL)	Dr. AMMUDHA	4	1		3	75%	3 Sub Fail	5	
PH3202/PHYSICS FOR ELECTRONICS ENGG.(EEE)	Mr. A. STEEPHENRAJ	7	4		3	43%	4 Sub Fail	2	
BE3255/BASIC CIVIL AND MECHANICAL ENGG.(EEE)	Dr. M. SHANMUGA SUNDARA	7	3		4	57%	5 Sub Fail and above	2	
BE3252/BASIC ELECTRICAL AND ELECTRONICS INSTRUMENTATION	Dr. A. KAMALASELVAN	4	3		1	25%			
BE3251/BASIC ELECTRICAL AND ELECTRONICS ENGG (MECH)	Dr. A. KAMALASELVAN	12	5		7	58%			
GE3251/ENGINEERING GRAPHICS	Dr. A. SARAVANAN	23	7		16	70%			
EE3251/ELECTRIC CIRCUIT ANALYSIS	Mr. C. VENKATESH	7	4		3	43%			
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	23	9		14	61%			


Faculty In-charge
Fromat no: RA 03

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Academic coordinator
Rev. Date: 04.01.21


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Sipcot - IT Highway Egattur,
Chennai - 603103.

MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai - 603103

OVERALL CLASS WISE IAT-IV ANALYSIS(2022-23) SEM-II

Department of Science and Humanities

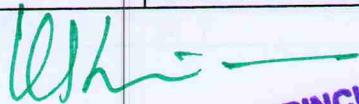
Year	No. of Students			% of Pass	No. of Script			% of Pass	Dept. Overall % of Pass	
	Reg	Pass	Fail		Reg	Appeared	Pass		Student wise	27%
SEC-A(CSE A)	39	13	32	33%	273	264	140	53%		
SEC-B(IT)	38	12	22	32%	266	172	98	57%		
SEC-C(CSE-IT)	36	13	37	36%	252	240	102	43%		
SEC-D(CSBS&AIDS)	50	15	38	30%	357	300	110	37%		
SEC-E(ECE)	43	9	40	21%	301	276	80	29%	Scriptwise	45%
SEC-F(MECH,CIVIL,EEE)	23	2	31	9%	161	142	76	54%		
Total	229	64	200	27%	1610	1394	606	45%		

I Year/II Sem/Sec-A

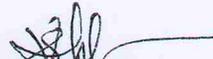
Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Mrs. K. SAIPRIYA	39	1		38	97%	All Pass	13	33%
MA3251/STATISTIS AND NUMERICAL METHODS	Dr. AMMU QUADSIYA	39	16		23	59%	1 Sub Fail	14	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Dr. AMMUDHA	39	12		27	69%	2 Sub Fail	5	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ANUSUYA	39	10		29	74%	3 Sub Fail	3	
GE3251/ENGINEERING GRAPHICS	Mr. VINOTH KUMAR	39	12		27	69%	4 Sub Fail	2	
CS3251/PROGRAMMING IN C	Ms. M. PANDEESWARI	39	15		24	62%	5 Sub Fail and above	2	
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	39	10		29	74%			

I Year/II Sem/Sec-B

Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Dr. K. V. RESHMI	38	2		36	95%	All Pass	12	31%
MA3251/STATISTIS AND NUMERICAL METHODS	Mrs. S. SUDHA	38	13		25	66%	1 Sub Fail	14	
PH3256/PHYSICS FOR INFORMATION SCIENCE	Mrs. V. SHOBANA	38	8		30	79%	2 Sub Fail	5	
BE3251/BASIC ELECTRICAL AND ELECTRONICS	Mrs. S. ABIDA BEGAM	38	10		28	74%	3 Sub Fail	3	
GE3251/ENGINEERING GRAPHICS	Dr. S. SARAVANAN	38	12		26	68%	4 Sub Fail	2	


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I Year/ II Sem/Sec-F									
Subject	Faculty	No. of students				% of Pass	Overall Class performance		
		Reg	Total Fail	In this Sub alone	Pass		Details	Total	%
HS3252/PROFESSIONAL ENGLISH -II	Dr. K. V. RESHMI	23	2		21	91%	All Pass	2	9%
MA3251/STATISTIS AND NUMERICAL METHODS	Mrs. N. SATHYA	23	12		11	48%	1 Sub Fail	5	
PH3251/MATERIAL SCIENCE(MECH)	Mrs. V. SHOBANA	12	8		4	33%	2 Sub Fail	6	
PH3201/PHYSICS FOR CIVIL ENGG.(CIVIL)	Dr. AMMUDHA	4	2		2	50%	3 Sub Fail	6	
PH3202/PHYSICS FOR ELECTRONICS ENGG.(EEE)	Mr. A. STEEPHENRAJ	7	3		4	57%	4 Sub Fail	2	
BE3255/BASIC CIVIL AND MECHANICAL ENGG.(EEE)	Dr. M. SHANMUGA SUNDARAN	7	4		3	43%	5 Sub Fail and above	2	
BE3252/BASIC ELECTRICAL AND ELECTRONICS INSTRUMENTATION	Dr. A. KAMALASELVAN	4	2		2	50%			
BE3251/BASIC ELECTRICAL AND ELECTRONICS ENGG (MECH)	Dr. A. KAMALASELVAN	12	6		6	50%			
GE3251/ENGINEERING GRAPHICS	Dr. A. SARAVANAN	23	12		11	48%			
EE3251/ELECTRIC CIRCUIT ANALYSIS	Mr. C. VENKATESH	7	5		2	29%			
GE3252/SCIENTIFIC TAMIL	Mrs. S. USHA	23	9		14	61%			


Faculty In-charge
Fromat no: RA 03

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Rev. Date: 04.01.21


PRINCIPAL
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No.34, Rajiv Gandhi Salai (OMR)
Sipcot - IT Highway Egattur,
Chennai - 603103.



FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY-2022-23			31.07.2023 (MONDAY)		
SECTION	STUDY HOUR 8.15-9.55	TEST HOUR 10.10-11.40	STUDY HOUR 11.40-12.40	STUDY HOUR 1.20-1.50	TEST HOUR 1.50-3.20
A-1	EG - Mr.Vinothkumar	EG - Mr.Vinothkumar	PROG C - Mrs.S.Angayarkanni	PROG C - Mrs.S.Angayarkanni	PROG C - Mrs.S.Angayarkanni
A-2			PHY-Dr.S.Amudha	PHY-Dr.S.Amudha	PHY-Dr.S.Amudha
B-1	EG - Dr.A.Saravanan	EG - Dr.A.Saravanan	ENGLISH-Dr.K.Reshmi	ENGLISH-Dr.K.Reshmi	ENGLISH-Dr.K.Reshmi
B-2			TAMIL-Ms.S.Usha	TAMIL-Ms.S.Usha	TAMIL-Ms.S.Usha
C-1	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	PROG C-Mr.G.Pandiyar	PROG C-Mr.G.Pandiyar	PROG C-Mr.G.Pandiyar
C-2	PHY-Dr.S.Amudha	PHY-Dr.S.Amudha	ENGLISH- Mrs.Barveen Fathima	ENGLISH- Mrs.Barveen Fathima	ENGLISH- Mrs.Barveen Fathima
D-1	DSD-Mr.G.Pandiyar	DSD-Mr.G.Pandiyar	EG-Dr.S.Prasath	EG-Dr.S.Prasath	EG-Dr.S.Prasath
D-2	MATHS-Mrs.N.Sathya	MATHS-Mrs.N.Sathya			
E-1	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan	MATHS-Mrs.N.Sathya	MATHS-Mrs.N.Sathya	MATHS-Mrs.N.Sathya
E-2	PHY-Mrs.V.Shobana	PHY-Mrs.V.Shobana	ENG-Mrs.K.Saipriya	ENG-Mrs.K.Saipriya	ENG-Mrs.K.Saipriya
F	BEEE/ CA- Dr.A.Kamalaselvan/ Mr.R.Venkatesan	BEEE/ CA- Dr.A.Kamalaselvan/ Mr.R.Venkatesan	PHY-Mrs.V.Shobana/ Mr.Steephenraj	PHY-Mrs.V.Shobana/ Mr.Steephenraj	PHY-Mrs.V.Shobana/ Mr.Steephenraj

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	402
B-2	405
C-2	406
D-2	319
E-2	417

Prepared by

1. *W.S.*
2. *S. S. Sathya*

PRINCIPAL
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 No.34, Rajiv Gandhi Salai (OMR)
 Sipcot - IT Highway Egattur,
 Chennai - 603103.

28/7/23
 HOD/S & H



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23				01.08.2023 (TUESDAY)	
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20	
A-1	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	
A-2	MATHS-Dr.A.Ammu Qudsiya.	MATHS - Dr.A.Ammu Qudsiya	PROG C - Mrs.N. Angayarkanni	PROG C - Mrs.N. Angayarkanni	PROG C - Mrs.N. Angayarkanni	
B-1	BEEE - S. Abida Begum	BEEE - S. Abida Begum	TAMIL - Ms.S.Usha/Mr. S. Sivaprakash	TAMIL - Ms.S.Usha/Mr.Sivaprakash	TAMIL - Ms.S.Usha/Mr. S. Sivaprakash	
B-2	MATHS - Mrs.S.Sudha	MATHS - Mrs.S.Sudha	ENGLISH - Dr.K.Reshmi	ENGLISH - Dr.K.Reshmi	ENGLISH - Dr.K.Reshmi	
C-1	PHY-Dr.S.Amudha	PHY - Dr.S.Amudha	ENGLISH - Mrs. M. Barveen Fathima	ENGLISH - Mrs. M. Barveen Fathima	ENGLISH - Mrs. M. Barveen Fathima	
C-2	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	PROG C - Mr.G.Pandiyan	PROG C - Mr.G.Pandiyan	PROG C - Mr.G.Pandiyan	
D-1	MATHS-Mrs.N.Sathya	MATHS-Mrs.N.Sathya	EG - Dr. S. Prasath	EG - Dr. S. Prasath	EG - Dr. S. Prasath	
D-2	PHY - A. Steephenraj	PHY - A. Steephenraj				
E-1	PHY-Mrs.V.Shobana	PHY - Mrs.V.Shobana	ENG - Mrs.K.Saipriya	ENG - Mrs.K.Saipriya	ENG - Mrs.K.Saipriya	
E-2	CA-Mr.R.Venkatesan	CA - Mr.R.Venkatesan	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	
F	EG - Dr.A.Saravanan	EG - Dr.A.Saravanan	BEIE - Dr. A. Kamalaselvan / Shunmugasundaram	Dr. M. BEIE - Dr. A. Kamalaselvan / M. Shunmugasundaram	Dr. BEIE - Dr. A. Kamalaselvan / M. Shunmugasundaram	Dr. M. BEIE - Dr. A. Kamalaselvan / M. Shunmugasundaram

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
 Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	416
B-2	405
C-2	406
D-2	319
E-2	417

J. Kavitha
 Prepared by

[Signature]
PRINCIPAL
 Mohamed Sathak A.J. College of Engineering
 No.34, Rajiv Gandhi Salai (OMR)
 SIPCOT - IT Highway Egattur,
 Chennai - 603103.

[Signature]
 HOD/S & H



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23			02.08.2023 (WEDNESDAY)	
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20
A-1	BEEE-Mrs.S Anusuya	BEEE-Mrs.S Anusuya	MATHS-Dr.A.Ammu Qudsiya	MATHS-Dr.A.Ammu Qudsiya	MATHS-Dr.A.Ammu Qudsiya
A-2	English-Mrs.k.Saipriya	English-Mrs.k.Saipriya	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angavarkanni	PROG in C - Mrs.N. Angayarkanni
B-1	EG - Dr. A Saravanan	EG - Dr. A Saravanan	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha
B-2	EG - Dr. A Saravanan	EG - Dr. A Saravanan	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana
C-1	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan
C-2	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan
D-1	ENGLISH-Mrs.N.Barveen Fatima	ENGLISH-Mrs.N.Barveen Fatima	PHY-Mr. A. Stephen Raj	PHY-Mr. A. Stephen Raj	PHY-Mr. A. Stephen Raj
D-2	DSD - Mr G Pandiyan	DSD - Mr G Pandiyan	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash
E-1	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan
E-2	MATHS - Mrs N Sathya	MATHS - Mrs N Sathya	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash	TAMIL-Ms.S.Usha/Mr. S. Sivaprakash
F	ENGLISH-Dr Reshmi	ENGLISH-Dr Reshmi	BEEE/ CA-Dr.A.Kamalaselvan/ Mr R. Venkatesan	BEEE/ CA-Dr.A.Kamalaselvan/ Mr R. Venkatesan	BEEE/ CA-Dr.A.Kamalaselvan/ Mr R. Venkatesan

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
 Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	415
B-2	405
C-2	406
D-2	319
E-2	417

J. Kavitha
 Prepared by

[Signature]
PRINCIPAL
 Mohamed Sathak A.J. College of Engineering
 No.34, Rajiv Gandhi Salai (OMR)
 Sipcot - IT Highway Egattur,
 Chennai - 603103.
 HOD/S & H



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23				
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20
A-1	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	MATHS-Dr.A.Ammu Qudsiya.	MATHS-Dr.A.Ammu Qudsiya.	MATHS-Dr.A.Ammu Qudsiya.
A-2	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha
B-1	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	EG - Dr.A.Saravanan	EG - Dr.A.Saravanan	EG - Dr.A.Saravanan
B-2	BEEE - S. Abida Begum	BEEE - S. Abida Begum			
C-1	PROG IN C - Mr.G.Pandiyam	PROG IN C - Mr.G.Pandiyam	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya
C-2	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	PROG IN C - Mr.G.Pandiyam	PROG IN C - Mr.G.Pandiyam	PROG IN C - Mr.G.Pandiyam
D-1	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	TAMIL-Ms.S.Usha/Mr. S. Sivanrakash	TAMIL-Ms.S.Usha/Mr. S. Sivanrakash	TAMIL-Ms.S.Usha/Mr. S. Sivanrakash
D-2	ENGLISH-Mrs.N.Barveen Fatima	ENGLISH-Mrs.N.Barveen Fatima	BEEE - S. Abida Begum	BEEE - S. Abida Begum	BEEE - S. Abida Begum
E-1	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana
E-2	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala
F	EG - Dr. A.Saravanan	EG - Dr. A.Saravanan	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
 Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	415
B-2	405
C-2	406
D-2	319
E-2	417

J. Koush
 Prepared by

W. S.

Q. S.
 HOD/S & H 2.8.23

PRINCIPAL
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 No.34, Rajiv Gandhi Salai (OMR)
 SIPCOT - IT Highway Egattur,
 Chennai - 603103.



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23				04.08.2023 (FRIDAY)	
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20	
A-1	EG - Mr.Vinothkumar	EG - Mr.Vinothkumar	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	
A-2			MATHS-Dr.A.Ammu Qudsiya.	MATHS-Dr.A.Ammu Qudsiya.	MATHS-Dr.A.Ammu Qudsiya.	
B-1	BEEE - S. Abida Begum	BEEE - S. Abida Begum	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	
B-2	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	BEEE - S. Abida Begum	BEEE - S. Abida Begum	BEEE - S. Abida Begum	
C-1	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PROG IN C - Mr.G.Pandiyan	PROG IN C - Mr.G.Pandiyan	PROG IN C - Mr.G.Pandiyan	
C-2	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	PHY-Dr.S.Amudha	PHY-Dr.S.Amudha	PHY-Dr.S.Amudha	
D-1	PHY- Mr.Steephenraj	PHY- Mr.Steephenraj	EG- DR.S.PRASATH	EG- DR.S.PRASATH	EG- DR.S.PRASATH	
D-2	DSD - Mr.G.Pandiyan	DSD- Mr.G.Pandiyan	EG- DR.S.PRASATH	EG- DR.S.PRASATH	EG- DR.S.PRASATH	
E-1	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	
E-2	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	
F	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	ENGLISH-Dr.Reshmi	ENGLISH-Dr.Reshmi	ENGLISH-Dr.Reshmi	

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
 Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	415
B-2	405
C-2	406
D-2	319
E-2	417

J. Kavish
 Prepared by

[Signature]
PRINCIPAL
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 Chennai - 603103.

[Signature]
 HOD/S & H 3.8.23



MOHAMED SATHAK
A.J. COLLEGE OF ENGINEERING
 34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603 103.



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23					05.08.2023 (SATURDAY)	
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40		STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20	
A-1	ENG - Mrs.K.Saipriya	ENG - Mrs.K.Saipriya		EG - Mr.Vinothkumar	EG - Mr.Vinothkumar	EG - Mr.Vinothkumar	
A-2	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya					
B-1	BEEE - S. Abida Begum	BEEE - S. Abida Begum		PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	
B-2	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha		PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	
C-1	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan		MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	
C-2	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan		PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	
D-1	PHY - A. Stephenraj	PHY - A. Stephenraj		BEEE - S. Abida Begum	BEEE - S. Abida Begum	BEEE - S. Abida Begum	
D-2	DSD-G.Pandian	DSD-G.Pandian		PHY - A. Stephenraj	PHY - A. Stephenraj	PHY - A. Stephenraj	
E-1	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya		EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	
E-2	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan		EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	
F	PHY - Mrs.V.Shobana/ Mr.Stephenraj/ Dr.S.Amudha	PHY - Mrs.V.Shobana/ Mr.Stephenraj/ Dr.S.Amudha		MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
 Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	415
B-2	405
C-2	406
D-2	319
E-2	417

S. Sathak
 Prepared by

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 Chennai - 603103.

S. Sathak
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MOHAMED SATHAK
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 34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603 103.



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23				
	07.08.2023 (MONDAY)				
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20
A-1	BEEE-Mrs S. Anusuya	BEEE-Mrs.S Anusuya	MATHS-Dr. A. Ammu Qudsiya.	MATHS-Dr. A. Ammu Qudsiya.	MATHS-Dr. A. Ammu Qudsiya
A-2	PHY - Dr.S.Amudha	PHY - Dr. S. Amudha	TAMIL-Ms S. Usha/Mr. S. Sivanrakash	TAMIL-Ms.S.Usha/Mr. S. Sivanrakash	TAMIL-Ms.S.Usha/Mr. S. Sivanrakash
B-1	EG - Dr. A. Saravanan	EG - Dr. A. Saravanan	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni
B-2	EG - Dr. A. Saravanan	EG - Dr. A. Saravanan	BEEE - S. Abida Begum	BEEE - S. Abida Begum	BEEE - S. Abida Begum
C-1	MATHS-Mrs.S.Sudha	MATHS-Mrs S Sudha	BEEE-Mrs S Anusuya	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya
C-2	DSD-G.Pandian	DSD-G.Pandian	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha
D-1	BEEE - S. Abida Begum	BEEE - S. Abida Begum	MATHS - Mrs.N Sathya	MATHS - Mrs.N Sathya	MATHS - Mrs.N Sathya
D-2	MATHS - Mrs. N Sathya	MATHS - Mrs N Sathya	PHY - A. Steephenraj	PHY - A. Steephenraj	PHY - A. Steephenraj
E-1	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala	CA-Mr R. Venkatesan	CA-Mr R. Venkatesan	CA-Mr.R.Venkatesan
E-2	CA-Mr.R. Venkatesan	CA-Mr.R. Venkatesan	English-Mrs k Saipriya	English-Mrs.k.Saipriya	English-Mrs.k.Saipriya
F	BCM/PHY- Dr M. Shunmugasundaram/ Dr S. AMUDHA	BCM/PHY- Dr M. Shunmugasundaram/ Dr S. AMUDHA	EG - Dr. A. Saravanan	EG - Dr. A. Saravanan	EG - Dr. A. Saravanan

SEC	HALL NO.
A-1	301
B-1	302
C-1	303
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
 Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	415
B-2	405
C-2	406
D-2	319
E-2	417

[Signature]
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[Signature]
PRINCIPAL
 Mohamed Sathak A.J. College of Engineering
 No.34, Rajiv Gandhi Salai (OMR)
 Sipcot - IT Highway Egattur,
 Chennai - 603103.

[Signature]
 HOD/S & H 5.8.23



**MOHAMED SATHAK
A.J. COLLEGE OF ENGINEERING**
34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603 103.



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23				
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20
A-1	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha
A-2	MATHS-Dr.A.Ammu Qudsiya.	MATHS-Dr.A.Ammu Qudsiya.	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha
B-1	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan
B-2	PHY - Mrs. V.Shobana	PHY - Mrs. V.Shobana	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan
C-1	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha	MATHS-Mrs.S.Sudha
C-2	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya
D-1	EG- DR.S.PRASATH	EG- DR.S.PRASATH	DSD-G.Pandian	DSD-G.Pandian	DSD-G.Pandian
D-2	EG- DR.S.PRASATH	EG- DR.S.PRASATH	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya
E-1	MATHS - Mrs.N.Sathya	MATHS - Mrs.N.Sathya	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala
E-2	EIE-Dr.S.Devikala	EIE-Dr.S.Devikala	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana	PHY - Mrs.V.Shobana
F	BCM/PHY- Dr. M. Shunmugasundaram/ Dr.S.AMUDHA	BCM/PHY- Dr. M. Shunmugasundaram/ Dr.S.AMUDHA	BEEE/ CA-Dr.A.Kamalaselvan/ Mr.R.Venkatesan	BEEE/ CA-Dr.A.Kamalaselvan/ Mr.R.Venkatesan	BEEE/ CA-Dr.A.Kamalaselvan/ Mr.R.Venkatesan

SEC	HALL NO.
A-1	301
B-1	302
C-1	406
D-1	307
E-1	308
F	309

Tea break- 9.55 to 10.10
Lunch hour- 12.40 to 1.20

SEC	HALL NO.
A-2	415
B-2	405
C-2	303
D-2	319
E-2	417

S. Suresh
Prepared by

[Signature]

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No.34, Rajiv Gandhi Salai (OMR)
Sipcot - IT Highway Egattur,
Chennai - 603103.

[Signature]
HODS & H 7-8-23

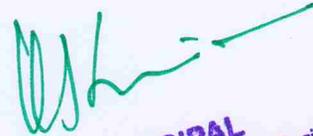


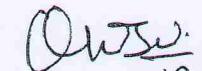
SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23					14.08.2023 (MONDAY)
	STUDY HOUR 8.15 - 9.55	TEST HOUR 10.10 - 11.40	STUDY HOUR 11.40 - 12.40	STUDY HOUR 1.20 - 1.50	TEST HOUR 1.50 - 3.20	
A	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	
B	BEEE - S. Abida Begum	BEEE - S. Abida Begum	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	
C	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	
D	PHY - A. Steephenraj	PHY - A. Steephenraj	BEEE - S. Abida Begum	BEEE - S. Abida Begum	BEEE - S. Abida Begum	
E	SNM- Mrs.S.Sudha/Mrs.N.Sathya	SNM- Mrs.S.Sudha/Mrs.N.Sathya	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan	
F	BEEE/ BCME- Dr.A.Kamalaselvan/ Dr. M. Shunmugasundaram	BEEE/ BCME- Dr.A.Kamalaselvan/ Dr. M. Shunmugasundaram	SNM- Mrs.S.Sudha/Mrs.N.Sathya	SNM- Mrs.S.Sudha/Mrs.N.Sathya	SNM- Mrs.S.Sudha/Mrs.N.Sathya	

SEC	HALL NO.
A	301
B	302
C	303
D	307
E	308
F	309

Tea break- 9.55 to 10.10
Lunch hour- 12.40 to 1.20


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Sipcot - IT Highway Egattur,
Chennai - 603103.


HOD/S & H 12.8.23



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23				16.08.2023 (WEDNESDAY)
	STUDY HOUR 8.15 - 9.55 AM	STUDY HOUR 10.10 - 11.50M AM	STUDY HOUR 11.50 -12.40 AM	STUDY HOUR 1.40 - 3.20PM	
A	SNM - Dr.A.Ammu Qudsiya	SNM - Dr.A.Ammu Qudsiya	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	
B	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	BEEE - Mrs.S. Abida Begum	BEEE - S. Abida Begum	
C	PHY - Dr.S.Amudha	PHY - Dr.S.Amudha	PROG IN C-Mr.G.Pandian	PROG IN C-Mr.G.Pandian	
D	BEEE - Mrs.S. Abida Begum	BEEE - Mrs.S. Abida Begum	PHY-Dr.A.Steephen Raj	PHY-Dr.A.Steephen Raj	
E	EI - Dr.S.Devikala	EI - Dr.S.Devikala	CA-Mr.R.Venkatesan	CA-Mr.R.Venkatesan	
F	CA\BEEE - Mr.C.Venkatesan\Dr.A.Ka malaselven	CA\BEEE- Mr.C.Venkatesan\Dr.A.Kamalaselvan	BCME\SNM- Dr.M.Shanmugasundaram\ Mrs.N.Sathya	BCME\SNM- Dr.M.Shanmugasundaram\Mrs.N .Sathya	

SEC	HALL NO.
A	301
B	302
C	303
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F	309

Tea break- 9.55 to 10.10 AM
Lunch hour- 12.40 to 1.40 PM


PRINCIPAL
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Siruseri - IT Highway Egattur,
Chennai - 603103.


HOD 14.8.23



SECTION	FIRST YEAR EPC SCHEDULE - EVEN SEMESTER AY : 2022 - 23 17.08.2023 (THURSDAY)			
	STUDY HOUR 8.15 - 9.55 AM	STUDY HOUR 10.10 - 11.50 AM	STUDY HOUR 11.50 - 12.40 AM	STUDY HOUR 1.40 - 3.20PM
A	EG - Mr.K.Vinoth Kumar	EG -Mr.K.Vinoth Kumar	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya
B	PROG in C - Mrs.N. Angayarkanni	PROG in C - Mrs.N. Angayarkanni	BEEE-Mrs.S.AbidaBegum	BEEE - Mrs.S.Abida Begum
C	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	BEEE-Mrs.S.Anusuya	BEEE-Mrs.S.Anusuya
D	EG-Dr.S.Prasath	EG-Dr.S.Prasath	BEEE - Mrs.S. Abida Begum	BEEE - Mrs.S. Abida Begum
E	EG-Mr.S.R.Mohan	EG-Mr.S.R.Mohan	EI - Dr.S.Devikala	EI - Dr.S.Devikala
F	CA\BEEE - Mr.C.Venkatesan\Dr.A.Ka malaselven	CA\BEEE- Mr.C.Venkatesan\Dr.A.Ka malaselvan	SNM-Mrs.N.Sathya	SNM-Mrs.N.Sathya

SEC	HALL NO.
A	301
B	302
C	303
D	307
E	308
F	309

Tea break- 9.55 to 10.10 AM
Lunch hour- 12.40 to 1.40 PM

PRINCIPAL
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Chennai - 603103.

Qwse
HOD 16.8.23

MOHAMED SATHAK A J COLLEGE OF ENGINEERING

Siruseri IT Park, Chennai-603103

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT**

Your ward Mr./Ms. Safia Fathoon Z Studying in II Year 4th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.05.2023 is 82%. As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. சுபியா பந்தூர் தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 2 ஆம் ஆண்டு - 4 வது செமஸ்டர் படித்து வருகிறார், அவரது வருகை சதவீதம் 29.05.2023 வரை 82% ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்புதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Safia</u>	<u>77</u>	<u>65</u>	<u>10</u>	<u>67</u>	<u>50</u>	<u>34</u>

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Safia</u>	<u>33</u>	<u>67</u>	<u>50</u>	<u>40</u>	<u>53</u>	<u>56</u>

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Data Structure	Data Structures Lab	Control Systems	Digital Systems Design	Electronic devices and circuits	Signals and Systems	Electronic Devices and Circuits Lab	Professional Society	Random Process and Linear Algebra
	CS 3353	CS 3362	EC3351	EC3352	EC 3353	EC3354	EC3361	GE 3361	MA 3355
<u>Safia</u>	<u>B⁺</u>	<u>A⁺</u>	<u>B⁺</u>	<u>A</u>	<u>B⁺</u>	<u>B⁺</u>	<u>A⁺</u>	<u>0</u>	<u>U</u>

Safia
CLASS ADVISOR

வகுப்புஆசிரியர்

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Siruseri IT Park, Chennai-603103

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT

Your ward Mr./Ms. Sanjay V Studying in II Year 4th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.04.2023 is 78%. As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. சனஜீ . V தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 2 ஆம் ஆண்டு - 4 வது செமஸ்டர் படித்து வருகிறார், அவரது வருகை சதவீதம் 29.04.2023 வரை 78% ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்பதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Sanjay</u>	<u>20</u>	<u>53</u>	<u>3</u>	<u>7</u>	<u>22</u>	<u>8</u>

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Sanjay</u>	<u>37</u>	<u>43</u>	<u>18</u>	<u>AB</u>	<u>12</u>	<u>50</u>

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Data Structure	Data Structures Lab	Control Systems	Digital Systems Design	Electronic devices and circuits	Signals and Systems	Electronic Devices and Circuits Lab	Professional Society	Random Process and Linear Algebra
	CS 3353	CS 3362	EC3351	EC3352	EC 3353	EC3354	EC3361	GE 3361	MA 3355
<u>Sanjay</u>	<u>U</u>	<u>A</u>	<u>U</u>	<u>B</u>	<u>U</u>	<u>U</u>	<u>A</u>	<u>0</u>	<u>U</u>

Sanjay V
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT

Your ward Mr./Ms. Siby . C Studying in II Year 4th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.04.2023 is 19%. As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. சியி . சி தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 2 ஆம் ஆண்டு - 4 வது செமஸ்டர் படித்து வருகிறார், அவரது வருகை சதவீதம் 29.04.2023 வரை 19% ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்புதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Siby</u>	<u>33</u>	<u>AB</u>	<u>AB</u>	<u>0</u>	<u>3</u>	<u>AB</u>

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Siby</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Data Structure	Data Structures Lab	Control Systems	Digital Systems Design	Electronic devices and circuits	Signals and Systems	Electronic Devices and Circuits Lab	Professional Society	Random Process and Linear Algebra
	CS 3353	CS 3362	EC3351	EC3352	EC 3353	EC3354	EC3361	GE 3361	MA 3355
<u>Siby</u>	<u>U</u>	<u>UA</u>	<u>B</u>	<u>UA</u>	<u>UA</u>	<u>UA</u>	<u>UA</u>	<u>0</u>	<u>UA</u>

Siby . C
CLASS ADVISOR

வகுப்பு ஆசிரியர்

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Siruseri IT Park, Chennai-603103

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT

Your ward Mr./Ms. Soundharya G Studying in II Year 4th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.04.2023 is 78%. As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. சௌந்தர்யா தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 2 ஆம் ஆண்டு - 4 வது செமஸ்டர் படித்து வருகிறார், அவரது வருகை சதவீதம் 29.04.2023 வரை 78% ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்புதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Soundharya</u>	<u>50</u>	<u>60</u>	<u>52</u>	<u>50</u>	<u>50</u>	<u>24</u>

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>Soundharya</u>	<u>50</u>	<u>53</u>	<u>8</u>	<u>50</u>	<u>13</u>	<u>53</u>

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Data Structure	Data Structures Lab	Control Systems	Digital Systems Design	Electronic devices and circuits	Signals and Systems	Electronic Devices and Circuits Lab	Professional Society	Random Process and Linear Algebra
	CS 3353	CS 3362	EC3351	EC3352	EC 3353	EC3354	EC3361	GE 3361	MA 3355
<u>Soundharya</u>	<u>U</u>	<u>A</u>	<u>B⁺</u>	<u>B⁺</u>	<u>U</u>	<u>U</u>	<u>A⁺</u>	<u>O</u>	<u>U</u>


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT

Your ward Mr./Ms. venkatesh S Studying in II Year 4th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.04.2023 is 100%. As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. venkatesh S தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 2 ஆம் ஆண்டு - 4 வது செமஸ்டர் படித்து வருகிறார், அவரது வருகை சதவீதம் 29.04.2023 வரை 100% ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்புதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>venkatesh</u>	<u>88</u>	<u>75</u>	<u>78</u>	<u>93</u>	<u>70</u>	<u>56</u>

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
<u>venkatesh</u>	<u>82</u>	<u>75</u>	<u>67</u>	<u>83</u>	<u>82</u>	<u>72</u>

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Data Structure	Data Structures Lab	Control Systems	Digital Systems Design	Electronic devices and circuits	Signals and Systems	Electronic Devices and Circuits Lab	Professional Society	Random Process and Linear Algebra
	CS 3353	CS 3362	EC3351	EC3352	EC 3353	EC3354	EC3361	GE 3361	MA 3355
<u>venkatesh</u>	<u>A</u>	<u>0</u>	<u>A+</u>	<u>A</u>	<u>B+</u>	<u>B+</u>	<u>0</u>	<u>0</u>	<u>B+</u>

[Signature]
LASS ADVISOR
குப்புஆசிரியர்

[Signature]

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT

Your ward Mr./Ms. venkatesh S Studying in II Year 4th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.05.2023 is 100%. As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. venkatesh S தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 2 ஆம் ஆண்டு - 4 வது செமஸ்டர் படித்து வருகிறார், அவரது வருகை சதவீதம் 29.05.2023 வரை 100% ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்புதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
venkatesh	88	75	78	93	70	56

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Electromagnetic Fields	Networks And Security	Linear Integrated Circuits	Digital Signal Processing	Communication Systems	Environmental Science and Sustainable
	EC3452	EC3401	EC3451	EC3492	EC3491	GE3451
venkatesh	82	75	67	83	82	72

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Data Structure	Data Structures Lab	Control Systems	Digital Systems Design	Electronic devices and circuits	Signals and Systems	Electronic Devices and Circuits Lab	Professional Society	Random Process and Linear Algebra
	CS 3353	CS 3362	EC3351	EC3352	EC 3353	EC3354	EC3361	GE 3361	MA 3355
venkatesh	A	O	A ⁺	A	B ⁺	B ⁺	O	O	B ⁺


CLASS ADVISOR

வகுப்பு ஆசிரியர்


PRINCIPAL

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Chennai - 603103.


HOD

துறைதலைவர்

MOHAMED SATHAK A J COLLEGE OF ENGINEERING

Siruseri IT Park, Chennai-603103

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IAT I, IAT II, UNIVERSITY MARKS AND ATTENDANCE REPORT

Your ward Mr./Ms. Kishore R Studying in III Year 6th semester in Department of Electronics And Communication Engineering, have attendance percentage as on 29.04.2023 is 49.1 As per the norms of the Anna University, Chennai, all you aware that a minimum of 75% of attendance is mandatory for appearing the end semester Examination, failing which he/she may not be eligible to appear for the University Exams. If your ward scored less than 75% attendance, advised to meet the HOD without fail.

Your ward's Internal test I, II, Univ result and attendance marks are displayed here for your attention.

உங்கள் மகன் / மகள் Mr./Ms. Kishore R தகவல் மின்னணு மற்றும் தகவல் தொடர்பு பொறியியல் துறை பிரிவில் 3 ஆம் ஆண்டு - 6 வது செமஸ்டர் படித்து வருகிறார். அவரது வருகை சதவீதம் 29.04.2023 வரை 49.1 ஆகும். சென்னை அண்ணா பல்கலைக்கழகத்தின் விதிமுறைகளின் படி, இறுதி செமஸ்டர் தேர்வில் பங்கேற்க குறைந்தபட்சம் 75% வருகை அவசியம் என்பதை நீங்கள் அனைவரும் அறிந்திருக்கிறீர்கள். உங்கள் மகன் / மகள் 75%க்கும் குறைவான வருகையைப் பெற்றிருந்தால், துறைதலைவரை தவறாமல் சந்திக்க அறிவுறுத்தப்படுகிறது. கீழே தங்கள் மகனின் / மகளின் வகுப்புதேர்வுகளின் மதிப்பெண்கள் கொடுக்கப்பட்டு உள்ளது.

INTERNAL ASSESSMENT TEST - I / MARKS

Name	Transmission Lines And RF Systems	Microprocessors And Microcontrollers	VLSI Design	Wireless Communication	Principle Of Management
	EC8651	EC8691	EC8095	EC8652	MG8591
<u>Kishore R</u>	<u>AB</u>	<u>52</u>	<u>52</u>	<u>AB</u>	<u>AB</u>

INTERNAL ASSESSMENT TEST - II / MARKS

Name	Transmission Lines And RF Systems	Microprocessors And Microcontrollers	VLSI Design	Wireless Communication	Principle Of Management
	EC8651	EC8691	EC8095	EC8652	MG8591
<u>Kishore R</u>	<u>50</u>	<u>AB</u>	<u>AB</u>	<u>27</u>	<u>AB</u>

UNIVERSITY RESULTS NOV-2022(III SEMESTER)

Name	Medical Electronics	Digital Communication	Communication Networks	Computer Architecture and Organization	Discrete - Time Signal Processing	Communication Systems Lab	Digital Signal Processing Lab	Communication Networks Lab	Renewable Energy Sources	Naar Mudavan
	EC8073	EC8501	EC8551	EC8552	EC8553	EC8561	EC8562	EC8563	OR00551	NI
<u>Kishore R</u>	<u>U</u>	<u>UA</u>	<u>U</u>	<u>U</u>	<u>UA</u>	<u>UA</u>	<u>UA</u>	<u>UA</u>	<u>U</u>	<u>A</u>

Omigilium
CLASS ADVISOR

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