



# SITAM

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Gajularega, Vizianagaram, Andhra Pradesh -535002



### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Faculty Course Assessment Report (FCAR)

|              |           |               |              |
|--------------|-----------|---------------|--------------|
| Course Code  | R2022043  | Program       | B.Tech (ECE) |
| Course Title | AC        | Academic Year | 2023-2024    |
| Faculty      | V.SIRISHA | Section       | A            |

#### I. Mapping of Course to Program Outcomes:

| Program Outcome  | PO1 | PO5 | PO3 | PO3 |
|--|-----|-----|-----|-----|
| Mapped Course Outcomes<br>(Level of mapping – HR: Highly Relevant,<br>R: Relevant, S: Supportive ) | CO1 | C02 | CO3 | CO4 |

| Course Assessment:<br>Course Outcomes<br>On successful completion of this course the students will be able to |   | Tool<br>Used for<br>evaluation | % Score for selected<br>program outcome |                  |        |
|---|---|--------------------------------|---|------------------|--------|
|   |   |                                | PO1                                     | PO3              | PO5    |
| CO1   | Differentiate various Analog modulation and demodulation schemes and their spectral characteristics | M1Q1<br>M1Q2<br>A1             | 3<br>3<br>3                             |                  |        |
| CO2   | Analyze noise characteristics of various analog modulation methods                                  | M2Q3<br>A2                     |   |                  | 3<br>3 |
| CO3   | Analyze various functional blocks of radiotransmitters and receivers                                | M2Q2<br>A4                     |   | 3<br>3           |        |
| CO4   | Design simple analog systems for various modulation techniques                                      | M1Q3<br>M2Q1<br>A3<br>A5       |   | 3<br>3<br>3<br>3 |        |
| Average score   |   |                                | 3                                       | 3                | 3      |
| Outcome satisfactory?   |   |                                | YES                                     | YES              | YES    |

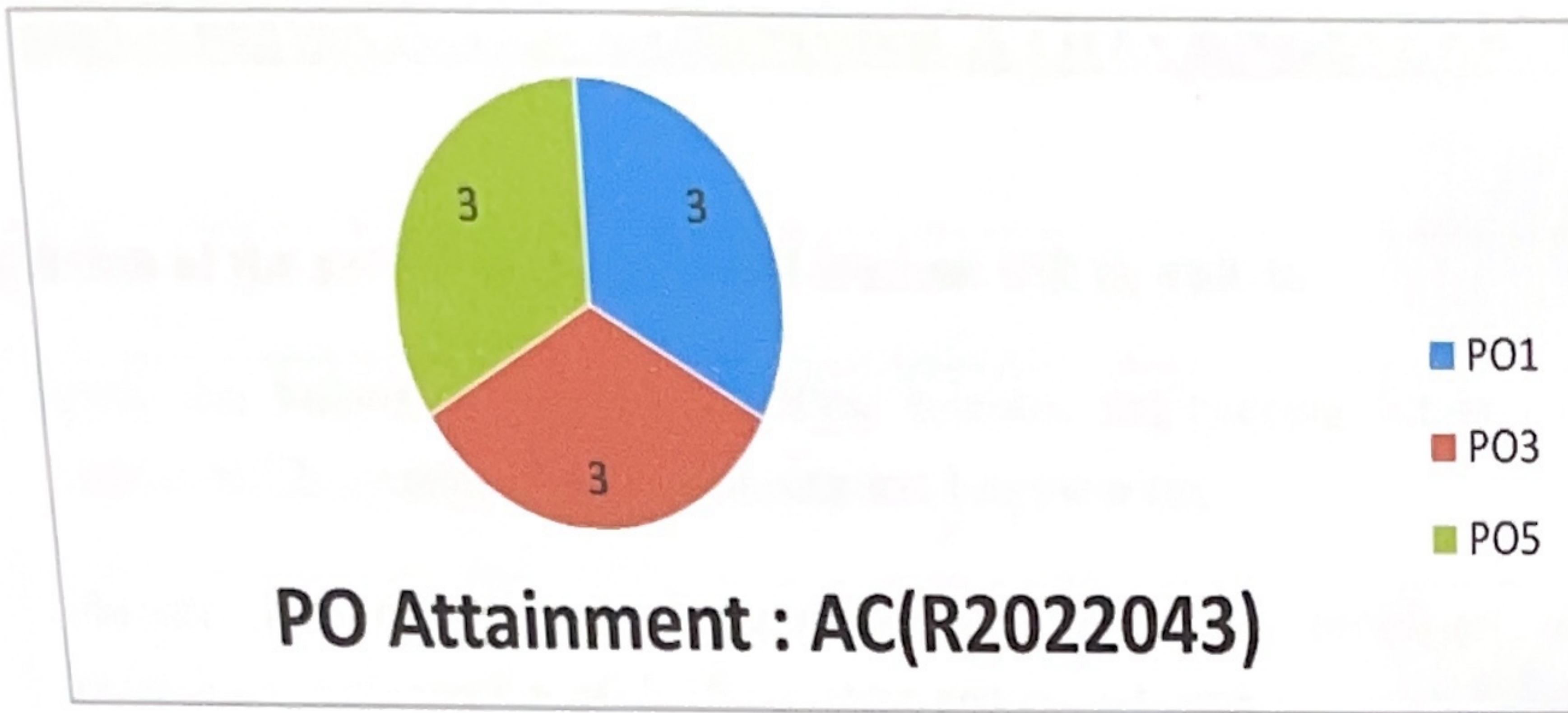
Minimum Level for PO attainment: 2

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## Comments



Analog Communications course is most important course in Electronics and Communications. This course is a basic course for all communication relevant courses and helps in attaining knowledge of various stages used in design of any communication system.

### III. Recommendations or improvement

It would be advantageous if the following topics are practically demonstrated and then questions are framed to test whether the students recognize the practicality of the subject matter:

- Various component identification
- Circuit design practice
- Knowledge of basic electronic circuits.

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## PROGRAM OUTCOMES

### ELECTRONICS AND COMMUNICATION ENGINEERING

| On completion of the program, a successful student will be able to |   |
|--|---|
| PO1:   | Apply the knowledge of mathematics, science, engineering fundamentals in the context of Electronics and Communication Engineering.                        |
| PO2:   | Analyze Electronics and Communication Engineering problems and provide preliminary information useful for system and circuit design.                      |
| PO3:   | Design solutions for Electronics and Communication Engineering problems by considering various and relevant factors.                                      |
| PO4:   | Use research methods to break up Electronics and Communication Engineering problems and solve them.   |
| PO5:   | Use computer-aided tools and other tools to improve efficiency in the context of Electronics and Communication Engineering (MATLAB, Mentor Graphics etc). |
| PO6:   | Include societal, health and safety considerations in ECE problems and situations.  |
| PO7:   | Provide environmentally sustainable solutions to Electronics and Communication Engineering problems.  |
| PO8:   | Commit to professional ethics and responsibilities and norms of engineering practices.  |
| PO9:   | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.                                     |
| PO10:  | Change the tone, content, and quality of communication in oral, written and presentation context.   |
| PO11:  | Manage complex Electronics and Communication Engineering project involving finances.  |
| PO12:  | Sustain everlasting curiosity for learning.   |
| PSO1:  | Design and implement the requirements of simple electronic components starting from fundamentals.   |
| PSO2:  | Analyze an existing electronic circuitry and identify the problem areas in the circuitry.   |





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### DEPARTMENT OF MANAGEMENT STUDIES

#### Faculty Course Assessment Report (FCAR)

|              |                            |               |           |
|--------------|----------------------------|---------------|-----------|
| Course Code  | MB1915                     | Program       | MBA       |
| Course Title | Legal business environment | Academic Year | 2023-2024 |
| Faculty      | N.PRUDHVI                  | Section       | A         |

#### I. Mapping of Course to Program Outcomes:

| Program Outcome   | PO1 | PO3 | PO1 | PO2 |
|---|-----|-----|-----|-----|
| <b>Mapped Course Outcomes</b><br>(Level of mapping – HR: Highly Relevant,<br>R: Relevant, S: Supportive ) | CO1 | CO2 | CO3 | CO4 |

| <b>Course Assessment:<br/>Course Outcomes</b><br>On successful completion of this course the students will be able to |   | <b>Tool<br/>Used for<br/>evaluation</b>   | <b>% Score for selected<br/>program outcome</b> |            |                       |
|---|---|---|---|------------|-----------------------|
|   |   |   | <b>PO1</b>                                      | <b>PO2</b> | <b>PO<br/>3</b>       |
| <b>CO<br/>1</b>   | <b>The learner will be able to infer legal aspects of doing business and plan business activities.</b>  | M1Q1a<br>A1Q1                             | 3<br>3<br>3                                     |            |                       |
| <b>CO<br/>2</b>   | <b>A learner will be able to analyse the elements of social, political and economic environment around a firm.</b>  | M1Q2a ,<br>M1Q3a<br>M2Q2a<br>A1Q2<br>A1Q3 |   |            | 3<br>3<br>3<br>3<br>3 |
| <b>CO<br/>3</b>   | <b>The learner will be able to make use of provisions of the contract act to evaluate a contract used in commercial practice. The learner will understand various components of IPR</b> | M2Q1a                                     | 3   |            |                       |

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|                       |   |                          |     |                   |     |
|-----------------------|---|--------------------------|-----|-------------------|-----|
| CO<br>4               | <p>The learner will be able to distinguish between various types of companies and able to explain the legal formation of a company.</p> <p>The learner will be able to understand the provisions of IT Act.</p> | <p>M2Q3a</p> <p>A1Q4</p> |     | <p>3</p> <p>3</p> |     |
| Average score         |   |                          | 3   | 3                 | 3   |
| Outcome satisfactory? |   |                          | YES | YES               | YES |



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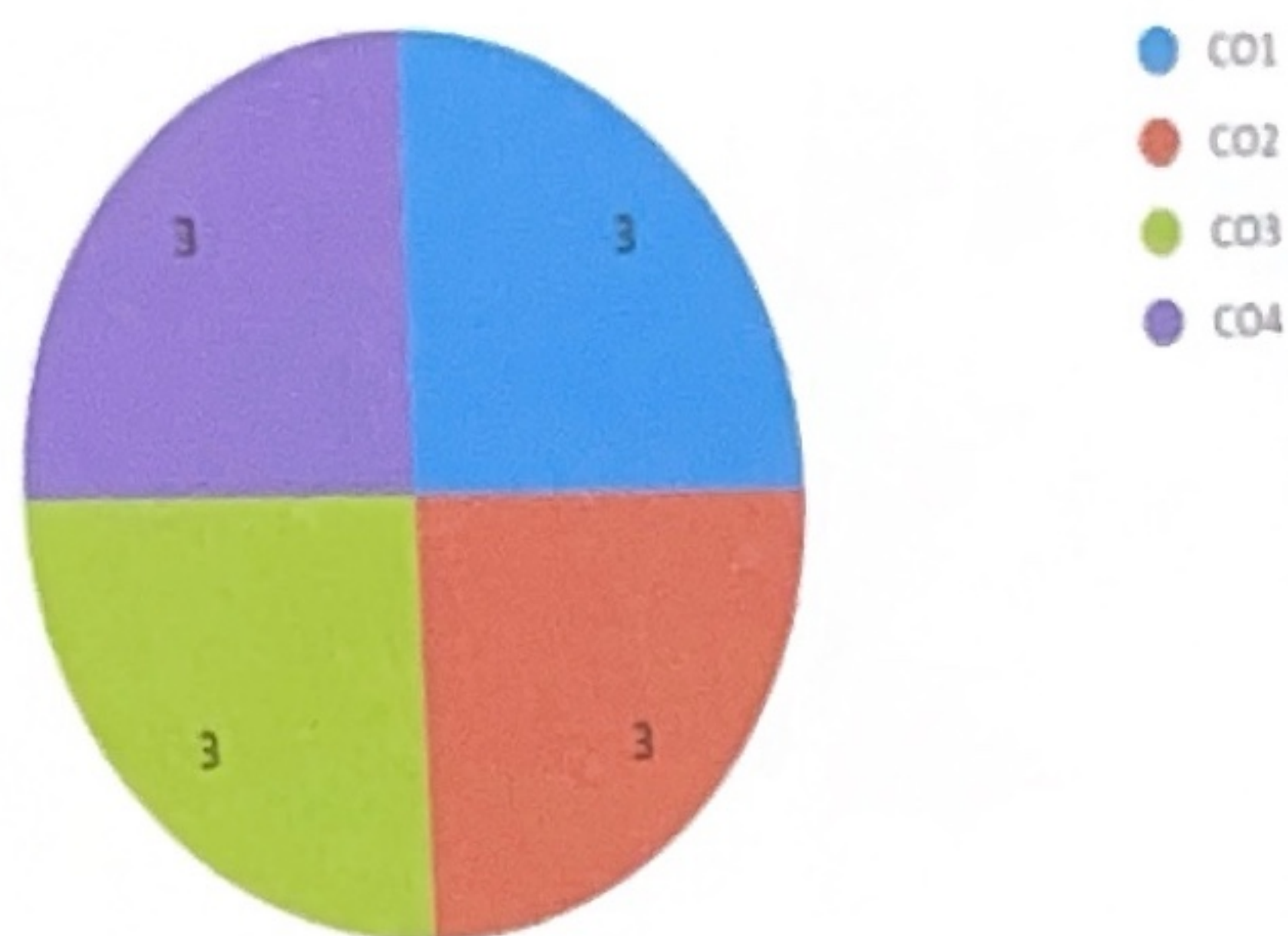
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## II. Comments

CO Attainment : LEGAL BUSINESS  
ENVIRONMNET(R2021012)



To gain knowledge of the branches of law which relate to business transactions, certain corporate bodies and related matters. Also to understand the applications of these laws to practical commercial situations. Learning Outcomes: Know rights and duties under various legal Acts.

## III. Recommendations or improvement :

By acquiring a comprehensive understanding of business law, students can familiarize themselves with the intricacies of legal matters and enhance their performance in their entrepreneurial endeavors.

  
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