



## SEMESTER 1

### 1. C101 CALCULUS

CO Vs PO															
SUBJECT: C101 CALCULUS															
COURSE OUTCOME	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO11	PO1 2	PSO 1	PSO 2	PSO 3
C101.1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
C101.2	3	2	1	0	0	0	0	0	0	0	0	1	0	0	0
C101.3	3	2	2	0	0	0	0	0	0	0	0	1	0	0	0
C101.4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
C101.5	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
C101.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C101	3.00	2.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
CO ATTAINMENT	1.18	0.79	0.47	-	-	-	-	-	-	-	-	0.39	-	-	-

### 2. C102 ENGINEERING CHEMISTRY

CO Vs PO															
SUBJECT: C102 ENGINEERING CHEMISTRY															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C102.1	3	2	2	0	1	0	0	0	0	0	0	0	0	0	0
C102.2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
C102.3	3	2	0	2	2	0	1	0	0	0	0	0	0	0	0
C102.4	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0
C102.5	3	2	2	0	0	1	1	0	0	0	0	0	0	0	0
C102.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C101	3.00	2.00	1.67	2.00	1.50	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<b>CO ATTAINMENT</b>	1.36	0.91	0.76	0.91	0.68	0.45	0.45	-	-	-	-	-	-	-	-
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**3. C103 INTRODUCTION TO COMPUTING AND PROBLEM SOLVING**

<b>CO Vs PO</b>															
<b>SUBJECT : C103 INTRODUCTION TO COMPUTING AND PROBLEM SOLVING</b>															
<b>COURSE OUTCOME</b>	<b>PO 1</b>	<b>PO 2</b>	<b>PO 3</b>	<b>PO 4</b>	<b>PO 5</b>	<b>PO 6</b>	<b>PO 7</b>	<b>PO 8</b>	<b>PO 9</b>	<b>PO1 0</b>	<b>PO1 1</b>	<b>PO1 2</b>	<b>PSO 1</b>	<b>PSO 2</b>	<b>PSO 3</b>
C103.1	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0
C103.2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C103.3	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0
C103.4	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
C103.5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C103.6	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0
<b>C103</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>0.00</b>	<b>3.00</b>	<b>0.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>CO ATTAINMENT</b>	<b>1.51</b>	<b>1.51</b>	<b>1.51</b>	<b>-</b>	<b>1.51</b>	<b>-</b>	<b>1.01</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**4. C 104 INTRODUCTION TO SUSTAINABLE ENGINEERING**

<b>CO Vs PO</b>															
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SUBJECT: INTRODUCTION TO SUSTAINABLE ENGINEERING															
COURSE COUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO 8	PO 9	PO1 0	PO11	PO1 2	PSO 1	PSO 2	PSO 3
C104.1	1	0	0	0	0	2	0	1	0	0	0	0	0	0	0
C104.2	1	0	0	0	2	2	0	0	0	0	0	0	0	0	0
C104.3	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
C104.4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C104.5	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0
C104.6	0	0	0	0	0	1	3	0	0	0	1	0	0	0	0
C104	1.50	0.00	0.00	0.00	1.50	1.75	3.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00
CO ATTAINMENT	1.50	-	-	-	1.50	1.75	3.00	1.00	-	-	1.00	1.00	-	-	-

### 5. C 105 ENGINEERING GRAPHICS

CO Vs PO															
SUBJECT:C 105 ENGINEERING GRAPHICS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C105.1	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0
C105.2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0
C105.3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C105.4	3	0	2	0	3	0	0	0	0	0	0	0	0	0	0



C105.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C105.6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C105	3.00	2.00	2.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	1.76	1.17	1.17	-	1.76	-	-	-	-	-	-	-	-	-	-

## 6. C106 BASIC ELECTRONICS ENGINEERING

CO Vs PO															
SUBJECT: C106 BASIC ELECTRONICS ENGINEERING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C106.1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C106.2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0
C106.3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C106.4	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0
C106.5	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
C106.6	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
C106	2.40	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
CO ATTAINMENT	2.40	-	3.00	-	-	-	-	-	-	-	-	1.67	-	-	-

## 7. C107 ENGINEERING CHEMISTRY LAB

CO Vs PO															
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SUBJECT: C107 ENGINEERING CHEMISTRY LAB															
COURSE COUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C107.1	3	0	0	2	0	2	2	2	3	1	0	0	0	0	0
C107.2	3	0	3	0	0	0	0	0	3	1	0	0	0	0	0
C107.3	3	2	0	2	3	0	0	2	3	1	0	0	0	0	0
C107.4	3	2	0	2	0	0	0	2	3	1	0	0	0	0	0
C107.5	3	2	0	2	0	0	0	2	3	1	0	0	0	0	0
C107.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C107	3.00	2.00	3.00	2.00	3.00	2.00	2.00	2.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	2.94	1.96	2.94	1.96	2.94	1.96	1.96	1.96	2.94	0.98	-	-	-	-	-

## 8. C108 COMPUTER SCIENCE WORKSHOP

CO Vs PO															
SUBJECT: C108 COMPUTER SCIENCE WORKSHOP															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C108.1	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0
C108.2	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0
C108.3	3	0	3	0	0	0	0	0	0	3	0	0	0	0	0
C108.4	3	3	2	0	0	0	0	0	0	0	0	3	0	0	0
C108.5	0	3	2	0	0	0	0	0	0	2	0	2	0	0	0
C108.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



C108	3.00	3.00	2.33	3.00	0.00	0.00	0.00	0.00	3.00	2.67	0.00	2.50	0.00	0.00	0.00
CO ATTAINMENT	3.00	3.00	2.33	3.00	-	-	-	-	3.00	2.67	-	2.50	-	-	-

### 9. C109 ELECTRONICS ENGINEERING WORKSHOP

CO Vs PO															
SUBJECT:C109 ELECTRONICS ENGINEERING WORKSHOP															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C109.1	2	0	0	0	0	2	2	2	3	3	0	2	0	0	0
C109.2	2	2	0	0	0	2	2	2	3	3	0	2	0	0	0
C109.3	0	0	2	0	0	2	2	2	3	3	0	2	0	0	0
C109.4	0	0	0	3	0	1	1	1	3	3	0	2	0	0	0
C109.5	0	0	0	0	0	2	2	2	3	3	0	2	0	0	0
C109.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C109	2.00	2.00	2.00	3.00	0.00	1.80	1.80	1.80	3.00	3.00	0.00	2.00	0.00	0.00	0.00
CO ATTAINMENT	2.00	2.00	2.00	3.00	-	1.80	1.80	1.80	3.00	3.00	-	2.00	0.00	-	-



## SEMESTER 2

### 10. C 110 ENGINEERING PHYSICS

CO Vs PO															
SUBJECT: C 110 ENGINEERING PHYSICS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO 3
C110.1	3	2	2	2	0	2	2	0	0	0	0	1	0	0	0
C110.2	3	2	2	2	1	2	2	0	0	0	0	1	0	0	0
C110.3	3	2	2	2	1	2	2	0	0	0	0	1	0	0	0
C110.4	3	2	2	2	2	2	2	0	0	0	0	1	0	0	0
C110.5	3	2	2	2	2	2	2	0	0	0	0	1	0	0	0
C110.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C110	3.00	2.00	2.00	2.00	1.50	2.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
CO ATTAINMENT	2.82	1.88	1.88	1.88	1.41	1.88	1.88	-	-	-	-	0.94	-	-	-

### 11. C 111 ENGINEERING MECHANICS

CO Vs PO															
SUBJECT: C111 ENGINEERING MECHANICS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3



C111.1	3	3	2	0	0	0	0	0	0	0	0	1	0	0	0
C111.2	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
C111.3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
C111.4	3	3	2	0	0	0	0	0	0	0	0	1	0	0	0
C111.5	3	3	2	0	0	0	0	0	0	0	0	1	0	0	0
C111.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C111	3.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
CO ATTAINMENT	2.64	2.64	1.76	-	-	-	-	-	-	-	-	0.88	-	-	-

## 12. C 112 BASIC CIVIL ENGINEERING

CO Vs PO															
SUBJECT: C112 BASIC CIVIL ENGINEERING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C112.1	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0
C112.2	3	2	1	0	0	0	0	0	2	2	0	0	2	0	0
C112.3	1	2	0	0	0	0	0	0	2	0	0	0	2	0	0
C112.4	2	0	0	0	0	2	0	0	0	3	0	0	0	0	0
C112.5	2	0	0	0	0	0	0	0	0	3	0	3	0	0	0
C112.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C112	1.80	2.00	1.00	0.00	0.00	2.00	0.00	0.00	2.00	2.67	0.00	3.00	2.00	0.00	0.00
CO ATTAINMENT	1.71	1.90	0.95	-	-	1.90	-	-	1.90	2.53	-	2.85	1.90	-	-





### 13. C 113 DIFFERENTIAL EQUATIONS

CO Vs PO															
SUBJECT: C113 DIFFERENTIAL EQUATION															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C113.1	3	3	3	0	0	0	0	0	0	0	0	1	0	0	0
C113.2	3	3	3	0	0	0	0	0	0	0	0	1	0	0	0
C113.3	3	3	3	0	0	0	0	0	0	0	0	1	0	0	0
C113.4	3	3	3	0	0	0	0	0	0	0	0	1	0	0	0
C113.5	3	3	3	0	0	0	0	0	0	0	0	1	0	0	0
C113.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C113	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
CO ATTAINMENT	2.18	2.18	2.18	-	-	-	-	-	-	-	-	0.73	-	-	-

### 14. C 114 DESIGN AND ENGINEERING

CO Vs PO															
SUBJECT: C114 DESIGN AND ENGINEERING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C114.1	3	0	0	0	0	0	3	3	0	0	0	3	0	0	0
C114.2	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0
C114.3	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0
C114.4	3	3	3	3	0	0	2	3	0	0	0	3	0	0	0
C114.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0



C114.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C114	3.00	3.00	3.00	3.00	3.00	0.00	2.50	3.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00
CO ATTAINMENT	2.76	2.76	2.76	2.76	2.76	-	2.30	2.76	-	-	-	2.76	-	-	-

### 15. C115 BASICS OF COMPUTER PROGRAMMING

CO Vs PO															
SUBJECT: C115 BASICS OF COMPUTER PROGRAMMING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C115.1	3	1	1	0	0	1	0	0	0	1	1	2	0	0	0
C115.2	2	3	1	1	1	0	0	0	0	1	0	1	0	0	0
C115.3	2	2	3	1	2	0	0	0	0	1	0	1	1	0	0
C115.4	2	2	1	1	2	0	0	0	0	1	0	2	1	0	0
C115.5	2	2	2	0	2	0	0	0	0	1	0	1	0	0	0
C115.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C115	2.20	2.00	1.60	1.00	1.75	1.00	0.00	0.00	0.00	1.00	1.00	1.40	1.00	0.00	0.00
CO ATTAINMENT	1.51	1.37	1.10	0.69	1.20	0.69	-	-	-	0.69	0.69	0.96	0.69	-	-

### 16. C 116 CIVIL ENGINEERING WORKSHOP



CO Vs PO															
SUBJECT: C116 CIVIL ENGINEERING WORKSHOP															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C116.1	3	2	0	0	0	0	0	0	3	3	0	0	0	0	0
C116.2	3	2	0	0	0	0	0	0	3	3	0	0	0	0	0
C116.3	3	2	0	0	0	0	0	0	3	3	0	0	0	0	0
C116.4	3	0	0	0	0	0	0	0	3	3	0	0	0	0	0
C116.5	3	2	0	0	0	0	0	0	3	3	0	0	0	0	0
C116.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C116	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	3.00	2.00	-	-	-	-	-	-	3.00	3.00	-	-	-	-	-

### 17. C 117 PHYSICS LAB

CO Vs PO															
SUBJECT: C117 PHYSICS LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C117.1	3	0	0	2	0	0	0	2	3	1	0	0	0	0	0
C117.2	3	0	0	2	0	0	0	2	3	1	0	0	0	0	0
C117.3	3	0	0	2	0	0	0	2	3	1	0	0	0	0	0
C117.4	3	0	0	2	0	0	0	2	3	1	0	0	0	0	0
C117.5	3	0	0	2	0	0	0	2	3	1	0	0	0	0	0
C117.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C117	3.00	0.00	0.00	2.00	0.00	0.00	0.00	2.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00



CO ATTAINMENT	3.00	-	-	2.00	-	-	-	2.00	3.00	1.00	-	-	-	-	-
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### 18. COMPUTER PROGRAMMING LAB

CO Vs PO															
SUBJECT: C118 COMPUTER PROGRAMMING LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C118.1	2	3	0	0	0	0	0	0	0	0	0	0	1	0	0
C118.2	2	3	3	0	0	0	1	0	0	0	0	1	1	0	0
C118.3	2	2	3	1	0	0	1	0	0	0	0	1	1	0	0
C118.4	2	1	3	1	0	0	0	0	0	0	0	1	1	0	0
C118.5	2	2	3	1	0	0	1	0	0	0	0	1	1	0	0
C118.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C118	1.83	2.20	3.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
CO ATTAINMENT	1.83	2.20	3.00	1.00	-	-	1.00	-	-	-	-	1.00	1.00	-	-



## SEMESTER 3

### 19. C201 LINEAR ALGEBRA AND COMPLEX ANALYSIS

CO Vs PO															
SUBJECT: C201- LINEAR ALGEBRA AND COMPLEX ANALYSIS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C201.1	3	2	0	0	0	0	0	0	0	0	0	0	2	0	0
C201.2	3	3	1	0	0	2	0	0	0	0	0	0	2	0	0
C201.3	2	3	3	0	0	2	0	0	0	0	0	0	0	0	0
C201.4	2	3	3	0	0	0	0	0	0	0	0	0	1	0	0
C201.5	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0
C201.6	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0
C201	2.20	2.80	2.40	1.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00
CO ATTAINMENT	2.20	2.80	2.40	1.00	-	2.00	-	-	-	-	-	-	1.67	-	-

### 20. C202-DISCRETE COMPUTATIONAL STRUCTURES

CO VS PO															
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SUBJECT :C202-DISCRETE COMPUTATIONAL STRUCTURES															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C202.1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C202.2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0
C202.3	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0
C202.4	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
C202.5	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0
C202.6	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
C202	2.50	2.83	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	2.23	2.52	2.14	-	-	-	-	-	-	-	-	-	-	-	-

**21. C203 SWITCHING THEORY AND LOGIC DESIGN**

CO Vs PO															
SUBJECT: C203 SWITCHING THEORY AND LOGIC DESIGN															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C203.1	3	2	0	0	0	0	0	0	0	0	0	0	2	0	0
C203.2	3	3	1	0	0	2	0	0	0	0	0	0	2	0	0
C203.3	2	3	3	0	0	2	0	0	0	0	0	0	0	0	0
C203.4	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0
C203.5	0	3	3	0	0	0	0	0	0	0	0	0	1	0	0
C203.6	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0
C203	2.20	2.80	2.40	1.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00



CO ATTAINMENT	0.98	1.24	1.06	0.44	-	0.89	-	-	-	-	-	-	0.74	-	-
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## 22. C204 DATA STRUCTURES

CO Vs PO															
SUBJECT : C204-DATA STRUCTURES															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C204.1	1	2	0	0	0	0	0	0	0	1	0	1	2	0	0
C204.2	2	2	3	1	0	0	0	1	0	0	0	2	0	2	0
C204.3	3	2	3	2	0	1	0	1	0	3	0	2	3	2	0
C204.4	1	2	2	0	0	0	0	0	0	0	0	1	0	0	0
C204.5	3	2	0	0	0	0	0	0	0	0	0	1	0	0	0
C204.6	2	2	3	0	0	0	0	1	0	0	0	1	0	1	0
C204	2.00	2.00	2.75	1.50	0.00	1.00	0.00	1.00	0.00	2.00	0.00	1.33	2.50	1.67	0.00
CO ATTAINMENT	1.07	1.07	1.47	0.80	-	0.53	-	0.53	-	1.07	-	0.71	1.33	0.89	-

## 23. C 205 ELECTRONIC DEVICES AND CIRCUITS

CO Vs PO															
SUBJECT :C 205 ELECTRONIC DEVICES AND CIRCUITS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3



C205.1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C205.2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C205.3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C205.4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0
C205.5	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0
C205.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>C205</b>	<b>3.00</b>	<b>2.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>CO ATTAINMENT</b>	<b>1.45</b>	<b>0.97</b>	<b>0.97</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

#### 24. C 206 LIFE SKILLS

CO Vs PO															
SUBJECT : C 206 LIFE SKILLS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C206.1	0	0	0	0	0	0	0	0	0	3	0	3	1	0	0
C206.2	0	3	0	0	0	0	3	0	0	0	0	0	1	0	0
C206.3	0	0	0	0	0	0	0	0	3	0	0	3	1	0	0
C206.4	0	0	0	3	0	0	0	0	3	0	0	3	1	0	0
C206.5	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0
C206.6	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
<b>C101</b>	<b>0.00</b>	<b>3.00</b>	<b>0.00</b>	<b>3.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>0.00</b>	<b>3.00</b>	<b>1.33</b>	<b>0.00</b>	<b>0.00</b>





CO ATTAINMENT	-	3.00	-	3.00	-	-	3.00	3.00	3.00	3.00	-	3.00	1.33	-	-
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### 25. C207 DATA STRUCTURE & ALGORITHMS LAB

CO Vs PO															
SUBJECT : C207 DATA STRUCTURE & ALGORITHMS LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C207.1	3	1	0	0	0	0	0	0	1	0	0	1	1	0	0
C207.2	1	2	2	2	0	0	0	0	1	0	0	0	3	0	0
C207.3	2	2	3	1	0	1	0	1	1	0	0	1	3	0	0
C207.4	1	2	3	2	0	1	0	1	1	0	0	1	2	0	0
C207.5	1	2	2	1	0	1	0	1	1	0	0	1	1	0	0
C207.6	1	2	3	2	0	1	0	1	1	0	0	0	2	0	0
C207	1.50	1.83	2.60	1.60	0.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	2.00	0.00	0.00
CO ATTAINMENT	1.47	1.80	2.55	1.57	-	0.98	-	0.98	0.98	-	-	0.98	1.96	-	-

### 26. C 208 ELECTRONIC CIRCUITS LAB

CO Vs PO															
SUBJECT : C 208 ELECTRONIC CIRCUITS LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C208.1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C208.2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0



C208.3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C208.4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0
C208.5	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0
C208.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C208	3.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	3.00	2.00	2.00	-	-	-	-	-	-	-	-	-	-	-	-

## SEMESTER 4

### 27. C 209 PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS

CO Vs PO															
SUBJECT : C209 PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C209.1	3	2	2	0	0	0	0	0	0	0	0	2	0	0	0
C209.2	3	2	2	0	0	0	0	0	0	0	0	2	0	0	0
C209.3	3	2	2	0	0	0	0	0	0	0	0	2	0	0	0
C209.4	3	2	2	0	0	0	0	0	0	0	0	2	0	0	0
C209.5	3	2	2	0	0	0	0	0	0	0	0	2	0	0	0
C209.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C209	3.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
CO ATTAINMENT	2.88	1.92	1.92	-	-	-	-	-	-	-	-	1.92	-	-	-



**28. C210- COMPUTER ORGANIZATION AND ARCHITECTURE**

CO Vs PO															
SUBJECT : C210- COMPUTER ORGANIZATION AND ARCHITECTURE															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C210.1	3	2	0	0	0	0	0	0	0	0	0	1	0	0	0
C210.2	0	3	1	0	0	0	0	0	0	0	0	0	1	0	0
C210.3	0	2	3	1	0	0	0	0	0	0	0	1	1	0	0
C210.4	2	1	0	0	0	1	0	0	0	0	0	0	1	0	0
C210.5	2	3	0	0	0	0	1	0	0	0	0	0	0	0	0
C210.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C210	2.33	2.20	2.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
CO ATTAINMENT	2.05	1.94	1.76	0.88	-	0.88	0.88	-	-	-	-	0.88	0.88	-	-

**29. CS211 OPERATING SYSTEMS**

CO Vs PO															
SUBJECT :CS211- OPERATING SYSTEMS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C1211.1	3	2	0	0	0	0	0	0	0	0	0	1	1	0	0
C1211.2	3	1	0	0	0	0	0	0	0	0	0	1	0	0	0
C1211.3	1	3	0	1	0	1	0	0	0	0	0	1	1	0	0
C1211.4	1	3	0	0	0	0	0	0	0	0	0	1	0	0	0



C1211.5	2	2	0	0	0	0	0	0	0	0	0	1	1	0	0
C1211.6	0	1	0	2	0	2	0	1	0	0	0	1	0	0	0
C211	2.00	2.00	0.00	1.50	0.00	1.50	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
CO ATTAINMENT	2.00	2.00	-	1.50	-	1.50	-	1.00	-	-	-	1.00	1.00	-	-

### 30. C 212 OBJECT ORIENTED PROGRAMMING DESIGN

CO Vs PO															
SUBJECT : C 212 OBJECT ORIENTED PROGRAMMING DESIGN															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C212.1	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0
C212.2	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0
C212.3	2	3	3	3	0	0	0	0	0	0	0	1	0	0	0
C212.4	0	3	2	0	2	0	0	0	0	0	0	1	0	0	0
C212.5	1	2	3	0	0	0	0	0	0	0	0	1	0	0	0
C212.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C112	1.50	2.40	2.75	3.00	2.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
CO ATTAINMENT	0.65	1.04	1.19	1.30	0.87	-	-	0.43	-	-	-	0.43	-	-	-

### 31. C 213 PRINCIPLES OF DATA BASE DESIGN

CO Vs PO															
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SUBJECT : C 213 PRINCIPLES OF DATA BASE DESIGN															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C213.1	1	1	2	0	0	0	0	0	0	0	0	0	2	0	0
C213.2	3	2	3	0	0	0	0	0	0	0	0	1	0	0	0
C213.3	2	2	3	0	0	0	0	0	0	0	0	0	1	0	0
C213.4	2	1	3	3	2	2	0	2	2	0	0	2	0	0	0
C213.5	1	1	1	0	0	0	0	0	0	0	0	1	2	0	0
C213.6	0	1	2	2	2	1	0	1	0	0	0	1	1	0	0
C213	1.80	1.33	2.33	2.50	2.00	1.50	0.00	1.50	2.00	0.00	0.00	1.25	1.50	0.00	0.00
CO ATTAINMENT	1.62	1.20	2.10	2.25	1.80	1.35	-	1.35	1.80	-	-	1.13	1.35	-	-

### 32. C 214 BUSINESS ECONOMICS

CO Vs PO															
SUBJECT : C 214 BUSINESS ECONOMICS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C214.1	0	2	0	0	0	0	0	0	0	0	3	3	0	0	0
C214.2	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0
C214.3	0	0	0	0	0	0	0	3	0	0	3	3	0	0	0
C214.4	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0
C214.5	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0
C214.6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0



C214	0.00	1.50	2.00	0.00	3.00	0.00	0.00	3.00	0.00	0.00	3.00	3.00	0.00	0.00	0.00
CO ATTAINMENT	-	1.26	1.68	-	2.52	-	-	2.52	-	-	2.52	2.52	-	-	-

### 33. C215 FREE AND OPEN SOURCE SOFTWARE LAB

CO Vs PO															
SUBJECT :C215 FREE AND OPEN SOURCE SOFTWARE LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C215.1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C215.2	0	2	3	0	0	1	0	0	0	0	0	0	1	0	0
C215.3	1	0	0	0	3	0	1	0	0	0	0	1	0	0	0
C215.4	0	0	0	0	3	2	0	3	0	0	0	1	1	0	0
C215.5	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0
C215.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C215	1.33	2.00	2.00	0.00	2.33	1.50	1.00	3.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
CO ATTAINMENT	1.33	2.00	2.00	-	2.33	1.50	1.00	3.00	-	-	-	1.00	1.00	-	-

### 34. C216 DIGITAL CIRCUIT LAB

CO VS PO															
SUBJECT : C216 DIGITAL CIRCUIT LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3



C216.1	3	3	0	2	0	0	0	0	1	0	0	0	0	0	0
C216.2	3	3	3	2	0	0	0	0	1	0	0	0	0	0	0
C216.3	3	3	3	2	0	0	0	0	1	0	0	0	0	0	0
C216.4	3	3	3	2	2	0	0	0	1	0	0	0	0	0	0
C216.5	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0
C216.6	3	3	3	2	2	0	0	0	1	0	0	0	0	0	0
C216	3.00	3.00	3.00	2.00	2.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	3.00	3.00	3.00	2.00	2.00	-	-	-	1.00	-	-	-	-	-	-

## SEMESTER 5

### 35. C301 THEORY OF COMPUTATION

CO Vs PO															
SUBJECT : C301 THEORY OF COMPUTATION															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C301.1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C301.2	1	3	3	1	1	1	1	1	0	0	0	1	2	0	0
C301.3	1	3	3	2	0	1	1	1	0	0	0	1	2	0	0
C301.4	1	3	3	2	0	1	1	1	0	0	0	1	2	0	0
C301.5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
C301.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C101	1.60	2.60	3.00	1.67	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	2.00	0.00	0.00



CO ATTAINM ENT	1.54	2.50	2.88	1.60	0.96	0.96	0.96	0.96	-	-	-	0.96	1.92	-	-
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### 36. C 302 SYSTEM SOFTWARE

CO Vs PO															
SUBJECT : C 302 SYSTEM SOFTWARE															
COURSE OUTCOM E	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C302.1	2	3	0	0	0	0	0	0	0	0	0	1	1	0	0
C302.2	1	2	3	0	0	0	1	0	0	0	0	1	2	0	0
C302.3	1	2	3	0	0	0	1	0	0	0	0	1	2	0	0
C302.4	1	2	3	0	0	0	1	0	0	0	0	1	2	0	0
C302.5	1	3	0	0	1	0	0	0	0	0	0	1	1	0	0
C302.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C302	1.20	2.40	3.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.60	0.00	0.00
CO ATTAINM ENT	1.15	2.30	2.88	-	0.96	-	0.96	-	-	-	-	0.96	1.54	-	-

### 37. C303 MICROPROCESSORS & MICROCONTROLLERS

CO Vs PO															
SUBJECT : C303 MICROPROCESSORS & MICROCONTROLLERS															
COURSE OUTCOM E	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C303.1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0





C303.2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0
C303.3	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0
C303.4	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0
C303.5	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0
C303.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C303	2.75	3.00	2.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	2.75	3.00	2.00	-	-	2.00	-	-	-	-	-	-	-	-	-

### 38. C304 DATA COMMUNICATION

CO Vs PO															
SUBJECT : C304 DATA COMMUNICATION															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C304.1	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0
C304.2	3	2	0	0	0	0	0	0	0	0	0	2	0	0	0
C304.3	1	1	3	0	0	0	0	0	0	0	0	0	2	0	0
C304.4	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0
C304.5	1	1	2	3	0	0	0	0	0	0	0	1	2	2	0
C304.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C304	1.80	1.33	2.50	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	2.00	2.00	0.00
CO ATTAINMENT	0.60	0.44	0.83	1.00	-	-	-	-	-	-	-	0.58	0.67	0.67	-



**39. C305 GRAPH THEORY AND COMBINATORICS**

CO Vs PO															
SUBJECT : C305 GRAPH THEORY AND COMBINATORICS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C305.1	3	3	3	0	0	0	0	0	0	2	0	2	0	0	0
C305.2	2	3	3	3	0	0	0	0	0	2	0	2	2	0	0
C305.3	2	3	3	3	0	0	0	0	0	2	0	2	2	0	0
C305.4	2	3	3	0	0	0	0	0	0	2	0	2	0	0	0
C305.5	2	3	3	3	0	0	0	0	0	2	0	2	3	0	0
C305.6															
C305	1.83	2.50	2.50	2.25	0.00	0.00	0.00	0.00	0.00	1.67	0.00	1.67	1.75	0.00	0.00
CO ATTAINMENT	1.83	2.50	2.50	2.25	-	-	-	-	-	1.67	-	1.67	1.75	-	-

**40. C306 SOFT COMPUTING[Elective I]**

CO Vs PO															
SUBJECT : C306 SOFT COMPUTING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C306.1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C306.2	2	2	3	0	1	0	0	0	0	0	0	1	1	0	0
C306.3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C306.4	1	2	2	0	0	0	1	0	0	0	0	1	1	0	0



C306.5	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0
C306.6	0	2	2	0	0	1	1	1	0	0	0	1	1	0	0
C306	1.80	2.00	2.50	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
CO ATTAINMENT	1.76	1.96	2.45	-	0.98	0.98	0.98	0.98	-	-	-	0.98	0.98	-	-

#### 41. C307 DESIGN PROJECT

CO Vs PO															
SUBJECT :C307 DESIGN PROJECT															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C307.1	2	3	0	0	0	0	0	0	0	0	3	0	0	0	0
C307.2	2	0	3	0	3	2	2	0	3	3	0	0	0	0	0
C307.3	2	3	3	3	3	0	0	0	3	3	3	0	0	0	0
C307.4	2	3	0	0	0	0	0	3	0	0	0	2	0	0	0
C307.5	2	2	0	0	0	0	0	3	0	0	3	0	0	0	0
C307.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C307	2.00	2.75	3.00	3.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	2.00	0.00	0.00	0.00
CO ATTAINMENT	2.00	2.75	3.00	3.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	2.00	-	-	-



**42. C308 SYSTEM SOFTWARE LAB**

CO Vs PO															
SUBJECT : C308 SYSTEM SOFTWARE LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C308.1	2	3	2	0	0	0	0	0	1	1	0	1	1	0	0
C308.2	1	2	3	0	0	0	0	0	1	1	0	1	2	0	0
C308.3	1	2	3	0	0	0	0	0	1	3	0	1	1	0	0
C308.4	1	2	3	0	0	0	0	0	1	1	0	1	1	0	0
C308.5	1	2	3	0	0	1	0	0	1	3	0	1	2	0	0
C308.6	1	2	2	0	0	0	1	0	1	1	0	1	2	0	0
C101	1.17	2.17	2.67	0.00	0.00	1.00	1.00	0.00	1.00	1.67	0.00	1.00	1.50	0.00	0.00
CO ATTAINMENT	1.17	2.17	2.67	-	-	1.00	1.00	-	1.00	1.67	-	1.00	1.50	-	-

**43. C309 APPLICATION SOFTWARE DEVELOPMENT LAB**

CO Vs PO															
SUBJECT :C309 APPLICATION SOFTWARE DEVELOPMENT LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C309.1	0	2	3	1	0	1	0	1	0	0	0	1	2	0	0
C309.2	0	3	2	1	0	0	0	1	0	0	0	1	2	1	0
C309.3	3	0	2	0	2	1	0	1	0	0	3	1	1	1	0



**Musaliar**  
COLLEGE OF ENGINEERING AND TECHNOLOGY

Musaliar College PO  
Pathanamthitta - 689653  
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C309.4	0	0	0	0	2	0	0	3	0	0	0	1	0	0	0
C309.5	1	1	3	2	1	2	1	1	3	3	3	1	1	0	0
C309.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C309	2.00	2.00	2.50	1.33	1.67	1.33	1.00	1.40	3.00	3.00	3.00	1.00	1.50	1.00	0.00
CO ATTAINMENT	2.00	2.00	2.50	1.33	1.67	1.33	1.00	1.40	3.00	3.00	3.00	1.00	1.50	1.00	-

## SEMESTER 6



**44. C 310 DESIGN AND ANALYSIS OF ALGORITHMS**

CO Vs PO															
SUBJECT : C 310 DESIGN AND ANALYSIS OF ALGORITHMS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C310.1	2	3	0	0	0	0	0	0	0	0	0	1	3	0	0
C310.2	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0
C310.3	1	3	3	2	0	1	1	1	0	0	0	1	3	0	0
C310.4	2	1	3	1	0	1	1	1	0	0	0	1	3	0	0
C310.5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C310.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C310	1.50	2.40	3.00	1.50	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	0.00	0.00
CO ATTAINMENT	1.50	2.40	3.00	1.50	-	1.00	1.00	1.00	-	-	-	1.00	3.00	-	-

**45. C311 COMPILER DESIGN**

CO VS PO															
SUBJECT :C311 COMPILER DESIGN															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C311.1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
C311.2	1	2	0	0	0	0	0	0	0	0	0	0	3	0	0
C311.3	0	2	3	0	3	0	0	0	1	0	0	1	3	0	0
C311.4	0	2	2	0	2	0	0	0	1	0	0	1	0	0	0



C311.5	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0
C311.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C311	1.50	1.60	2.33	0.00	2.33	0.00	0.00	0.00	1.00	0.00	0.00	1.00	3.00	0.00	0.00
CO ATTAINMENT	1.38	1.47	2.15	-	2.15	-	-	-	0.92	-	-	0.92	2.76	-	-

#### 46. C312 COMPUTER NETWORKS

CO Vs PO															
SUBJECT :C312 COMPUTER NETWORKS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C312.1	2	3	0	2	0	0	0	0	0	0	0	1	3	0	0
C312.2	0	2	3	0	0	0	0	0	0	0	0	0	3	0	0
C312.3	2	3	1	0	0	0	0	0	0	0	0	0	3	0	0
C312.4	0	2	3	0	0	0	0	2	0	0	0	1	3	0	0
C312.5	2	2	0	0	0	1	0	0	0	0	0	1	3	0	0
C312.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C312	2.00	2.40	2.33	2.00	0.00	1.00	0.00	2.00	0.00	0.00	0.00	1.00	3.00	0.00	0.00
CO ATTAINMENT	1.92	2.30	2.24	1.92	-	0.96	-	1.92	-	-	-	0.96	2.88	-	-

#### 47. C313 SOFTWARE ENGINEERING & PROJECT MANAGEMENT

CO Vs PO															
SUBJECT : C313 SOFTWARE ENGINEERING & PROJECT MANAGEMENT															



COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C313.1	1	3	0	0	0	0	0	0	0	0	3	0	3	0	0
C313.2	0	3	2	0	0	0	0	0	0	0	0	1	3	0	0
C313.3	0	1	3	0	0	0	0	0	0	0	3	0	0	0	0
C313.4	0	2	3	0	0	0	0	0	0	0	0	0	3	0	0
C313.5	0	0	0	3	1	0	0	3	0	1	0	1	0	0	0
C313.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C313	0.50	1.80	2.00	1.50	0.50	0.00	0.00	1.50	0.00	0.50	2.00	0.67	2.25	0.00	0.00
CO ATTAINMENT	0.48	1.73	1.92	1.44	0.48	-	-	1.44	-	0.48	1.92	0.64	2.16	-	-

**48. C314 PRINCIPLES OF MANAGEMENT**

CO Vs PO															
SUBJECT : C314 PRINCIPLES OF MANAGEMENT															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C315.1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
C314.2	0	0	0	0	0	3	0	3	2	0	1	1	0	0	0





C314.3	0	0	0	0	0	0	0	0	3	0	2	2	0	0	0
C314.4	0	0	0	0	0	3	0	3	2	0	0	1	0	0	0
C314.5	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0
C314.6	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0
C314	0.00	0.00	0.00	0.00	0.00	3.00	0.00	3.00	2.33	0.00	1.75	1.50	0.00	0.00	0.00
CO ATTAINMENT	-	-	-	-	-	2.91	-	2.91	2.26	-	1.70	1.46	-	-	-

#### 49. C315 WEB TECHNOLOGY[Elective II]

CO Vs PO															
SUBJECT : C315 WEB TECHNOLOGY															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C315.1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C315.2	0	2	3	2	0	0	0	0	0	0	0	1	0	0	0
C315.3	0	2	3	0	0	0	0	0	0	0	0	1	3	0	0
C315.4	0	2	3	0	2	0	0	1	0	0	0	1	0	0	0
C315.5	0	2	3	0	2	0	0	1	0	0	0	1	0	3	0
C315.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C315	1.00	2.20	3.00	2.00	2.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	3.00	3.00	0.00
CO ATTAINMENT	0.95	2.09	2.85	1.90	1.90	-	-	0.95	-	-	-	0.95	2.85	2.85	-

#### 50. C 316 MICROPROCESSOR LAB

CO Vs PO															
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SUBJECT :C 316 MICROPROCESSOR LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C316.1	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0
C316.2	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0
C316.3	2	1	2	0	2	0	0	0	0	0	0	0	2	0	0
C316.4	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
C316.5	2	1	1	1	2	0	0	0	0	0	0	0	1	0	0
C316.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C316	1.40	1.00	1.33	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00
CO ATTAINMENT	1.40	1.00	1.33	1.00	2.00	-	-	-	-	-	-	-	1.20	-	-

**51. C 317 NETWORK PROGRAMMING LAB**

CO Vs PO															
SUBJECT :C 317 NETWORK PROGRAMMING LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C317.1	3	0	0	0	1	0	0	0	0	0	0	0	2	0	0
C317.2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
C317.3	2	2	0	0	1	0	0	0	2	3	0	0	1	0	0
C317.4	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0
C317.5	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0
C317.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



C317	2.50	2.00	3.00	0.00	1.00	0.00	0.00	0.00	2.00	3.00	0.00	0.00	1.75	0.00	0.00
CO ATTAINMENT	2.50	2.00	3.00	-	1.00	-	-	-	2.00	3.00	-	-	1.75	-	-

**52. C318 COMPREHENSIVE EXAM**

CO Vs PO															
SUBJECT : C318 COMPREHENSIVE EXAM															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C318.1	3	2	0	0	0	0	0	0	0	3	0	0	0	0	0
C318.2	3	1	0	0	0	0	0	0	0	3	0	0	0	0	0
C318.3	3	2	2	0	0	0	0	0	0	2	0	0	0	0	0
C318.4	3	3	3	0	0	0	0	0	0	2	0	0	0	0	0
C318.5	3	2	1	1	0	0	0	0	0	1	0	0	0	0	0
C318.6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C318	3.00	2.00	2.00	1.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00	0.00
CO ATTAINMENT	2.60	1.73	1.73	0.87	-	-	-	-	-	1.91	-	-	-	-	-



## SEMESTER 7

### 53. C 401 COMPUTER GRAPHICS

CO Vs PO															
SUBJECT : C 401 COMPUTER GRAPHICS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C401.1	2	3	1	0	0	0	0	0	0	0	0	0	1	0	0
C401.2	2	3	1	0	0	0	0	0	0	0	0	0	2	2	0
C401.3	1	2	3	2	0	0	0	1	0	0	0	1	2	2	0
C401.4	1	2	3	2	0	0	0	1	0	0	0	0	2	2	0
C401.5	1	2	3	0	0	0	0	0	0	0	0	1	1	2	0
C401.6	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C101	1.50	2.50	2.20	2.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.60	2.00	0.00
CO ATTAINMENT	1.50	2.50	2.20	2.00	-	-	-	1.00	-	-	-	1.00	1.60	2.00	-

### 54. C402 PROGRAMMING PARADIGMS

CO Vs PO															
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SUBJECT : C402 PROGRAMMING PARADIGMS															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C402.1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C402.2	2	1	0	1	0	0	0	0	0	0	0	1	2	2	0
C402.3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
C402.4	2	1	0	1	0	0	0	0	0	0	0	0	2	0	0
C402.5	2	1	0	1	0	0	0	0	0	0	0	0	0	1	0
C402.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C101	2.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	1.50	0.00
CO ATTAINMENT	1.92	0.96	-	0.96	-	-	-	-	-	-	-	0.96	1.92	1.44	-

**55. C403 COMPUTER SYSTEM ARCHITECTURE**

CO Vs PO															
SUBJECT : C403 COMPUTER SYSTEM ARCHITECTURE															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C403.1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
C403.2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
C403.3	0	2	0	3	0	0	0	0	0	0	0	0	3	0	0
C403.4	0	3	0	0	3	0	0	0	0	0	0	0	3	0	0
C403.5	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
C403.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



C403	2.00	2.75	0.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00
CO ATTAINMENT	1.53	2.11	-	2.30	2.30	-	-	-	-	-	-	-	2.30	2.30	-

### 56. C404 DISTRIBUTED COMPUTING

CO Vs PO															
SUBJECT : C404 DISTRIBUTED COMPUTING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C404.1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
C404.2	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0
C404.3	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0
C404.4	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0
C404.5	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0
C404.6	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0
C404	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00
CO ATTAINMENT	1.00	2.00	-	-	2.00	1.00	-	-	-	-	-	-	1.80	-	-

### 57. C405 COMPUTER NETWORK SECURITY

CO Vs PO															
SUBJECT : C405 COMPUTER NETWORK SECURITY															



COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C405.1	2	2	3	0	0	0	0	0	0	0	0	0	0	2	0
C405.2	1	2	3	0	0	1	0	3	0	0	0	0	3	2	0
C405.3	1	2	3	1	0	1	0	3	0	0	0	1	3	1	0
C405.4	2	3	0	0	0	1	0	3	0	0	0	1	2	0	0
C405.5	2	3	0	0	0	1	0	3	0	0	0	1	2	0	0
C405.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C405	1.60	2.40	3.00	1.00	0.00	1.00	0.00	3.00	0.00	0.00	0.00	1.00	2.50	1.67	0.00
CO ATTAINMENT	1.57	2.35	2.94	0.98	-	0.98	-	2.94	-	-	-	0.98	2.45	1.63	-

### 58. C406 MACHINE LEARNING [Elective III]

CO Vs PO															
SUBJECT : C406 MACHINE LEARNING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C406.1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
C406.2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C406.3	2	2	2	0	0	0	0	0	0	0	0	0	2	0	0
C406.4	0	3	2	0	0	0	0	0	0	0	0	0	2	0	0
C406.5	1	2	0	2	0	0	0	0	0	0	0	0	2	0	0
C406.6	1	2	2	0	0	1	0	0	0	0	0	0	2	0	0
C406	2.00	2.20	2.00	2.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00



CO ATTAINMENT	1.80	1.98	1.80	1.80	-	0.90	-	-	-	-	-	-	1.80	-	-
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### 59. C407 COMPILER DESIGN LAB

CO Vs PO															
SUBJECT : C407 COMPILER DESIGN LAB															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C407.1	2	1	3	0	1	0	0	0	1	0	0	1	1	0	0
C407.2	2	2	3	0	2	0	0	0	1	0	0	1	1	0	0
C407.3	2	0	3	0	3	0	0	0	1	0	0	1	0	0	0
C407.4	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
C407.5	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0
C407.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C407	2.00	1.33	2.50	0.00	2.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
CO ATTAINMENT	2.00	1.33	2.50	-	2.00	-	1.00	-	1.00	1.00	1.00	1.00	1.00	-	-

### 60. C408 SEMINAR AND PROJECT PRELIMINARY

CO VS PO															
SUBJECT : C408 SEMINAR AND PROJECT PRELIMINARY															





COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C408.1	3	3	3	3	3	2	3	3	3	3	3	3	1	2	0
C408.2	3	3	3	3	3	2	3	3	3	3	3	0	3	1	0
C408.3	3	3	3	3	3	2	3	3	3	3	3	0	3	2	0
C408.4	3	3	3	3	3	2	3	3	3	3	3	0	0	0	0
C408.5	0	0	0	0	0	2	3	3	3	3	3	3	0	0	0
C408.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C408	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	2.33	1.67	0.00
CO ATTAINMENT	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	2.33	1.67	-

## SEMESTER 8

### 61. C409 DATA MINING AND WAREHOUSING

CO Vs PO															
SUBJECT : C409 DATA MINING AND WAREHOUSING															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C409.1	2	3	0	0	0	0	0	0	0	0	0	1	0	3	0
C409.2	3	2	1	0	2	1	1	1	0	0	0	1	0	0	0
C409.3	2	2	2	1	0	1	1	2	0	0	0	1	3	0	0
C409.4	3	3	1	1	1	0	0	1	0	0	0	1	3	3	0
C409.5	2	2	0	1	0	3	0	0	0	0	0	1	0	0	0



C409.6	2	2	0	0	0	2	0	0	0	0	0	1	3	0	0
C409	2.33	2.33	1.33	1.00	1.50	1.75	1.00	1.33	0.00	0.00	0.00	1.00	3.00	3.00	0.00
CO ATTAINMENT	2.33	2.33	1.33	1.00	1.50	1.75	1.00	1.33	-	-	-	1.00	3.00	3.00	-

## 62. C 410 EMBEDDED SYSTEM

CO Vs PO															
SUBJECT : C 410 EMBEDDED SYSTEM															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C410.1	3	3	2	1	2	2	2	0	0	2	0	3	3	0	0
C410.2	3	3	3	2	3	2	2	0	0	2	0	3	3	0	0
C410.3	3	3	3	2	3	2	2	0	0	3	0	3	3	0	0
C410.4	2	2	2	2	2	2	2	0	0	3	0	3	3	0	0
C410.5	3	3	3	3	2	2	2	0	0	2	0	2	3	1	0
C410.6	2	2	2	2	2	2	2	0	0	2	0	2	3	1	0
C410	2.67	2.67	2.50	2.00	2.33	2.00	2.00	0.00	0.00	2.33	0.00	2.67	3.00	1.00	0.00
CO ATTAINMENT	2.67	2.67	2.50	2.00	2.33	2.00	2.00	-	-	2.33	-	2.67	3.00	1.00	-

## 63. C 411 Principles Of Information Security [Elective IV]

CO Vs PO															
SUBJECT : C 411 PRINCIPLES OF INFORMATION SECURITY															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3



C411.1	3	1	0	0	0	1	0	3	0	0	0	1	3	0	0
C411.2	2	1	0	0	0	1	0	3	0	0	0	1	2	0	0
C411.3	1	2	3	1	0	1	1	3	0	0	0	1	3	0	0
C411.4	2	2	0	0	0	2	0	3	0	0	0	1	2	0	0
C411.5	1	1	0	0	0	1	0	3	0	0	0	1	0	3	0
C411.6	1	2	3	1	0	1	0	3	0	0	0	1	3	0	0
C411	1.67	1.50	3.00	1.00	0.00	1.17	1.00	3.00	0.00	0.00	0.00	1.00	2.60	3.00	0.00
CO ATTAINMENT	1.67	1.50	3.00	1.00	-	1.17	1.00	3.00	-	-	-	1.00	2.60	3.00	-

**64. C 412 INDUSTRIAL SAFETY[Elective V]**

CO Vs PO															
SUBJECT : C 412 INDUSTRIAL SAFETY															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C412.1	2	3	0	0	0	0	0	0	0	0	0	1	1	0	0
C412.2	1	2	0	0	0	0	0	0	0	0	0	1	2	0	0
C412.3	1	0	0	0	0	0	1	0	0	0	0	1	2	0	0
C411.4	1	2	0	0	2	0	0	0	0	0	0	0	2	0	0
C412.5	1	0	0	0	1	0	0	3	0	0	0	1	1	0	0
C412.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C412	1.20	2.33	0.00	0.00	1.50	0.00	1.00	3.00	0.00	0.00	0.00	1.00	1.60	0.00	0.00
CO ATTAINMENT	1.20	2.33	-	-	1.50	-	1.00	3.00	-	-	-	1.00	1.60	-	-



## 65. C413 PROJECT

CO Vs PO															
SUBJECT : C413 PROJECT															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C413.1	0	0	0	2	2	0	0	3	2	2	3	0	0	0	0
C413.2	3	3	3	3	3	3	3	3	3	0	3	0	3	3	0
C413.3	3	3	3	3	3	3	2	3	3	2	2	0	3	3	0
C413.4	0	0	0	0	0	2	1	3	2	2	3	2	0	0	0
C413.5	1	0	0	0	0	2	0	3	3	3	3	2	0	0	0
C413.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C413	2.33	3.00	3.00	2.67	2.67	2.50	2.00	3.00	2.60	2.25	2.80	2.00	3.00	3.00	0.00
CO ATTAINMENT	2.33	3.00	3.00	2.67	2.67	2.50	2.00	3.00	2.60	2.25	2.80	2.00	3.00	3.00	-