



# SYNERGY INSTITUTE OF TECHNOLOGY, BHUBANESWAR

Department of Mechanical Engineering

## CO-PO and CO-PSO Mapping

Academic Year-2023-24, Branch:ME, Subject: Mathematics - I(C101), Year/Semester of Study -1st/1st

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C101.1	2	3	1	2	2	-	-	-	-	-	-	2	1	-
C101.2	2	2	1	1	2	-	-	-	-	-	-	2	-	-
C101.3	0	0	2	1	3	-	-	-	-	-	-	3	-	-
C101.4	2	3	1	1	0	-	-	-	-	-	-	1	1	-
C101.5	2	3	2	1	1	-	-	-	-	-	-	1	-	-
C101.6	2	3	2	2	1	-	-	-	-	-	-	2	-	-
Avg.	1.67	2.33	1.50	1.33	1.50	-	-	-	-	-	-	1.83	1	-
C101	2	2	2	1	2	-	-	-	-	-	-	2	1	-

Academic Year-2023-24, Branch:ME, Subject:Chemistry (C102), Year/Semester of Study -1st/2nd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C102.1	3	1	2	2	2	3	3			-	-	-	-	-
C102.2	2	2	2	2	2	3	3	-	-	-	-	2	-	-
C102.3	2	2	2	2	3	2	3			-	-	-	-	-
C102.4	2	1	2	2	3	2	3			-	-	2	-	-
C102.5	3	2	2	2	3	2	3	-	-	-	-	2	-	-
C102.6	-	2	-	-	-	3	3	-	-	-	-	-	-	-
Avg.	2.4	1.6	2	2	2.6	2.4	3	-	-	-	-	2	-	-
C102	2	2	2	-	3	3	3	-	-	-	-	2	-	-

Academic Year-2023-24, Branch:ME, Subject:Basic Electronics (C103), Year/Semester of Study -1st/2nd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
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<b>C103.1</b>	3	3	3	3	-		-	-	-	-	2	2	3	3
<b>C103.2</b>	3	3	3	3	-		-	-	-	-	2	2	3	3
<b>C103.3</b>	3	3	3	3	-		-	-	-	-	2	2	3	3
<b>C103.4</b>	3	3	3	3	-		-	-	-	-	2	2	3	2
<b>C103.5</b>	3	3	3	3	-		-	-	-	-	1	2	3	2
<b>C103.6</b>	3	3	3	3	-		-	-	-	-	2	2	3	2
<b>Avg.</b>	3	3	3	3	-		-	-	-	-	2	2	3	2.5
<b>C103</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	-		-	-	-	-	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>

Academic Year-2023-24, Branch:ME, Subject:Engineering Mechanics(C104), Year/Semester of Study -1st/2nd

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C104.1</b>	2	2	1	1	1	-	-	-	1	2	2	1	2	1
<b>C104.2</b>	3	3	2	2	1	-	-	-	1	1	1	2	2	1
<b>C104.3</b>	3	3	2	2	1	-	-	-	1	2	1	2	3	2

<b>C104.4</b>	3	3	2	1	1	-	-	-	1	1	2	1	3	2
<b>C104.5</b>	2	2	1	1	1	-	-	-	1	1	1	1	2	1
<b>C104.6</b>	3	3	2	1	1	-	-	-	1	1	1	1	2	1
<b>Avg</b>	2.667	2.667	2	1.333	1	-	-	-	1	1.333	1.333	1.333	2.333	1.333
<b>C104</b>	3	3	2	1	1	-	-	-	1	1	1	1	2	1

**Academic Year-2023-24, Branch:ME, Subject:Basic Mechanical Engineering (C105),  
Year/Semester of Study -1st/2nd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C105.1</b>	3	3	3	2	1	-	-	-	1	1	2	2	2	2
<b>C105.2</b>	3	3	2	2	-	-	-	-	1	1	1	1	2	1
<b>C105.3</b>	3	3	3	2	-	-	-	-	1	1	1	1	2	1
<b>C105.4</b>	2	1	1	1	-	-	-	-	1	1	1	1	2	1
<b>C105.5</b>	3	2	2	2	-	-	-	-	1	1	1	1	2	1
<b>C105.6</b>	3	2	3	2	2	-	-	2	1	1	1	2	2	2

<b>Avg</b>	2.83	2.3	2.3	2	1.5	-	-	2	1	1	1.2	1.3	2	1.3
<b>C105</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	-	-	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>

**Academic Year-2023-24, Branch:ME, Subject:English for Technical Writing (C106),  
Year/Semester of Study -1st/2nd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>P010</b>	<b>P011</b>	<b>P012</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C106.1</b>	-	-	-	-	-	-	-	-	-	3	-	-	1	-
<b>C106.2</b>	-	-	-	-	-	1	-	-	-	3	-	-	1	-
<b>C106.3</b>	-	-	-	-	-	-	-	-	-	3	-	-	1	-
<b>C106.4</b>	-	-	-	-	-	-	-	-	-	3	-	-	1	-
<b>C106.5</b>	-	-	-	-	-	-	-	2	-	3	-	-	1	-
<b>C106.6</b>	-	-	-	-	-	-	-	1	2	3	-	-	-	-
<b>Avg.</b>	-	-	-	-	-	1	-	1.5	2	3	-	-	1	-
<b>C106</b>	-	-	-	-	-	<b>1</b>	-	<b>2</b>	<b>2</b>	<b>3</b>	-	-	<b>1</b>	-

Academic Year-2023-24, Branch:ME, Subject:Chemistry Lab (C107 ), Year/Semester of Study -1st/2nd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C107.1	3	2	3	2	2	2	1	1	-	-	-	-	1	1
C107.2	3	2	3	2	2	2	1	1	-	-	-	-	1	1
C107.3	3	2	3	2	2	2	1	1	-	-	-	-	1	1
C107.4	3	2	3	2	2	2	1	1	-	-	-	-	1	1
C107.5	3	2	3	2	2	2	1	1	-	-	-	-	1	1
Avg.	3	2	3	2	2	2	1	1	-	-	-	-	1	1
C107	3	2	3	2	2	2	1	1	-	-	-	-	1	1

Academic Year-2023-24, Branch:ME, Subject:Basic Electronics Lab (C108), Year/Semester of Study -1st/2nd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C108.1</b>	2	3	2	2	-	-	1	-	2	1	-	1	3	2
<b>C108.2</b>	2	3	2	2	-	-	-	-	2	1	-	1	3	2
<b>C108.3</b>	2	3	2	2	-	-	-	-	2	1	-	1	3	2
<b>C108.4</b>	2	3	2	2	-	-	-	-	2	1	-	1	3	2
<b>C108.5</b>	2	2	2	2	-	-	-	-	2	1	-	1	3	2
<b>Avg.</b>	2	2.8	2	2	-	-	1	-	2	1	-	1	3	2
<b>C108</b>	2	3	2	2	-	-	1	-	2	1	-	1	3	2

**Academic Year-2023-24, Branch:ME, Subject:Communicative English & Report Writing Lab(C109),  
Year/Semester of Study -1st/2nd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>P07</b>	<b>PO8</b>	<b>PO9</b>	<b>PO 10</b>	<b>PO 11</b>	<b>PO 12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C109.1</b>	-	-	-	-	-	-	-	-	1	3	-	2	-	-
<b>C109.2</b>	-	-	-	-	-	-	-	-	-	1	-	2	-	-
<b>C109.3</b>	-	-	-	-	-	1	-	-	-	-	-	1	-	-
<b>C109.4</b>	-	-	-	-	-	-	-	-	1	3	-	2	-	-
<b>C109.5</b>	-	-	-	-	-	-	-	-	-	3	-	-	-	-
<b>Avg</b>	-	-	-	-	-	1	-	-	1	2.5	-	1.75	-	-
<b>C109</b>	-	-	-	-	-	1	-	-	1	3	-	2	-	-



**Academic Year-2023-24, Branch:ME, Subject:Workshop & Digital Manufacturing Lab (C110),  
Year/Semester of Study -1st/2nd**

<b>Course outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>P07</b>	<b>PO8</b>	<b>PO9</b>	<b>PO 10</b>	<b>PO 11</b>	<b>PO 12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C110.1</b>	2	2	3	2	-	-	2	-	1	2	1	1	2	1
<b>C110.2</b>	1	2	2	1	-	-	1	-	1	1	1	1	2	1
<b>C110.3</b>	1	2	2	1	2	-	1	-	-	2	2	2	3	2
<b>C110.4</b>	1	2	1	1	2	-	1	-	-	2	2	2	3	2
<b>C110.5</b>						-		-	-	-	-	-	-	-
<b>Avg.</b>	1.3	2.0	2.0	1.3	2.0	-	1.3	-	1.0	1.8	1.5	1.5	2.5	1.5
<b>C110</b>	1	2	2	1	2	-	1	-	1	2	2	2	3	2

**Academic Year-2023-24, Branch:ME, Subject:Mathematics - II(C111), Year/Semester of Study -1st/2nd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C111.1</b>	2	3	2	1	2	-	-	-	-	-	-	2	-	-
<b>C111.2</b>	2	3	1	2	2	-	-	-	-	-	-	1	-	-
<b>C111.3</b>	2	3	1	1	2	-	-	-	-	-	-	1	-	-
<b>C111.4</b>	2	2	2	1	-	-	-	-	-	-	-	2	-	-
<b>C111.5</b>	2	2	2	2	1	-	-	-	-	-	-	1	-	-
<b>C111.6</b>	-	3	2	2	1	-	-	-	-	-	-	2	-	-
<b>Avg</b>	2	2.6	1.6	1.4	1.75	-	-	-	-	-	-	1.5	-	-
<b>C111</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>

Academic Year-2023-24, Branch:ME, Subject: Physics (C112), Year/Semester of Study -1st/1st

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C112.1	3	2	-	-	2	-	1	-	1	2	-	1	-	-
C112.2	2	1	-	-	-	-	1	-	-	1	-	1	-	-
C112.3	3	2	-	-	2	-		-	2	2	-	1	1	-
C112.4	3	3	-	-	-	-	1	-	-	-	-	1	1	-
C112.5	2	2	-	-	-	-		-	-	2	-	1	1	-
C112.6	2		-	-	2	-	1	-	2	1	-	1	1	-
Avg.	2.50	2.00	-	-	2.00	-	1.00	-	1.67	1.60	-	1.00	0.8	-
C112	3	2	-	-	2	-	1	-	2	2	-	1	1	-

Academic Year-2023-24, Branch:ME, Subject: Basic Electrical Engineering (C113), Year/Semester of Study -1st/1st

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C113.1</b>	3	3	2	1	1	2	1	-	-	-	-	1	2	1
<b>C113.2</b>	3	3	2	1	1	2	1	-	-	-	-	2	2	1
<b>C113.3</b>	3	3	2	1	1	2	1	-	-	-	-	1	2	1
<b>C113.4</b>	3	3	2	1	1	2	1	-	-	-	-	2	2	1
<b>C113.5</b>	3	3	2	1	1	2	1	-	-	-	-	1	2	1
<b>C113.6</b>	2	2	1	1	1	2	1	-	-	-	-	2	2	1
<b>Avg.</b>	2.83	2.83	1.83	1.00	1.00	2.00	1.00	-	-	-	-	1.50	2.00	1.00
<b>C113</b>	3	3	2	1	1	2	1	-	-	-	-	2	2	1

**Academic Year-2023-24, Branch:ME, Subject:Programming in C and Data Structure (C114),  
Year/Semester of Study -1st/1st**

<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>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO 1</b>	<b>PSO 2</b>
<b>C114.1</b>	3	3	1	3	2							1	-	1
<b>C114.2</b>	3	3	2	2	2							1	-	1
<b>C114.3</b>	3	3	1	2	2							1	-	1
<b>C114.4</b>	3	3	1	2	2							1	-	1
<b>C114.5</b>	3	3	1	2	2							2	-	1
<b>C114.6</b>	3	3	1	3	2							1	-	1
<b>Avg.</b>	3.00	3.00	1.17	2.33	2.00							1.17	-	1.00
<b>C114</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>							<b>1</b>	<b>-</b>	<b>1</b>

**Academic Year-2023-24, Branch:ME, Subject: Basic Civil Engineering (C115), Year/Semester of Study -1st/1st**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C115.1</b>	1	1	-	-	1	2	-	-	1	1	2	3	1	1
<b>C115.2</b>	1	1	-	-	-	1	-	-	-	1	2	3	1	1
<b>C115.3</b>	1	-	-	-	1	-	1	-	1	-	2	3	1	1
<b>C115.4</b>	1	-	-	-	-	2	1	-	-	1	2	3	1	1
<b>C115.5</b>	1	1	-	-	1	2	1	-	1	1	2	3	1	1
<b>C115.6</b>	1	1	-	-	1	2	1	-	1	1	2	3	1	1
<b>Avg</b>	1.00	1.00	-	-	0.8	1.80	1.00	-	0.8	1.00	2.00	3.00	1.00	1
<b>C115</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>

Academic Year-2023-24, Branch:ME, Subject:Universal Human Values (C116), Year/Semester of Study -1st/1st

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C116.1	-	-	-	-	-	-	-	2	-	-	-	1	-	-
C116.2	-	-	-	-	-	-	-	2	-	-	-	1	-	-
C116.3	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C116.4	-	-	-	-	-	-	-	1	-	-	-	1	-	-
C116.5	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C116.6	-	-	-	-	-	-	-	2	-	-	-	1	-	-
Avg	-	-	-	-	-	-	-	1.75	-	-	-	1	-	-
C116	-	-	-	-	-	-	-	2	-	-	-	1	-	-

**Academic Year-2023-24, Branch:ME, Subject:Physics Laboratory(C117), Year/Semester of Study -1st/1st**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C117.1</b>	3	3	2	1	3	2	1	1	3	3	1	1	1	-
<b>C117.2</b>	3	3	2	1	3	2	1	1	3	3	1	1	1	-
<b>C117.3</b>	3	3	2	1	3	2	1	1	3	3	1	1	1	-
<b>C117.4</b>	3	3	2	1	3	2	1	1	3	3	1	1	1	-
<b>C117.5</b>	3	3	2	1	3	2	1	1	3	3	1	1	1	-
<b>Avg.</b>	3.00	3.00	2.00	1.00	3.00	2.00	1.00	1.00	3.00	3.00	1.00	1.00	1	-
<b>C117</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>



**Academic Year-2023-24, Branch:ME, Subject:Basic Electrical Engineering Lab (C118),  
Year/Semester of Study -1st/1st**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C118.1</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	1
<b>C118.2</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	1
<b>C118.3</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	2
<b>C118.4</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	, 1
<b>C118.5</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	1
<b>Avg.</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	1.25
<b>C118</b>	3	3	2	1	3	2	1	1	3	3	1	1	2	1

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO 1	PSO 2
C119.1	3	3	3	3	2		-	-			-	1	3	3
C119.2	3	3	3	2	2		-					1	3	2
C119.3	2	3	3	2	3		-					1	2	3
C119.4	3	3	2	2	2		-					-	3	3
C119.5	2	2	2	3	2		-					1	3	2
Avg	2.6	2.8	2.6	2.4	2.2		-					1	3	2.6
C119	3	3	3	2	2		-					1	3	3

Academic Year-2023-24, Branch:ME, Subject:Engineering Graphics & Design lab(C120),  
Year/Semester of Study -1st/1st

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
C120.1		2	2	1	3	-		1		1		2	2	2
C120.2		2	2	2	2	-		1		1		1	1	1

<b>C120.3</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>			<b>1</b>						
<b>C120.4</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>-</b>		<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>1</b>
<b>C120.5</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>-</b>		<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>1</b>
<b>Avg.</b>		1.4	1.8	<b>2</b>	2.2	<b>-</b>		<b>1</b>		<b>1</b>		1.25	1.25	1.25
<b>C120</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>-</b>		<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>1</b>

**Academic Year-2023-24, Branch:ME, Subject:Mathematics-III (C201), Year/Semester- 2nd/3rd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C201.1</b>	3	3	3	2	2	2	2	1	2	2	2	2	3	3
<b>C201.2</b>	3	3	2	3	3	2	2	1	3	3	2	2	2	2
<b>C201.3</b>	3	3	3	2	3	2	2	2	3	3	3	2	2	2
<b>C201.4</b>	3	3	2	3	3	3	1	1	3	3	2	2	3	2
<b>C201.5</b>	3	3	2	2	3	2	1	2	3	2	2	2	2	1
<b>C201.6</b>	3	3	2	3	3	3	2	1	3	3	3	2	2	2
<b>Avg</b>	3	3	2.3	2.5	2.8	2.3	1.67	1.3	2.833	2.67	2.333	2	2.3	2
<b>C201</b>	3	3	2	3	3	2	2	1	3	3	2	2	2	2

Academic Year-2023-24, Branch:ME , Subject:OOP Using JAVA (C202), Year/Semester- 2nd/3rd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C202.1	3	3			-	-	-	-	-	2	-	-	3	2
C202.2	3	3			-	-	-	-	-	2	-	-	3	3
C202.3	3	3			-	-	-	-	-	2	-	-	3	3
C202.4	3	3			-	-	-	-	-	2	-	-	3	3
C202.5	3	3			-	-	-	-	-	2	-	-	3	2
C202.6	3	3			-	-	-	-	-	2	-	-	3	2
Average	3	3			-	-	-	-	-	2	-	-	3	2.5
C202	3	3			-	-	-	-	-	2	-	-	3	3

Academic Year-2023-24, Branch:ME, Subject:Organisational behaviour (C203),Year/Semester- 2nd/3rd														
Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P010	P011	PO12	PSO1	PSO2
C203.1	-	-	-	-	1	-	1	-	-	-	-	2	1	1
C203.2	-	-	-	-	1	-	1	-	-	-	1	2	2	3
C203.3	-	-	-	-	1	-	1	-	1	-	-	2	3	2
C203.4	-	-	-	-	1	-		-	1	1	-	2	3	3
C203.5	-	-	-	-	1	-	1	-	-	-	-	3	2	3
C203.6	-	-	-	-	1	-	-	-	-	-	-	2	2	3
Avg	-	-	-	-	1	-	1	-	1	1	1	2.17	2.17	2.50
C203	-	-	-	-	1	-	1	-	1	1	1	2	2	3

Academic Year-2023-24, Branch:ME, Subject:Mechanics of Solid (C204), Year/Semester- 2nd/3rd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C204.1	3	3	2	1	1	-	-	-	1	1	1	2	3	2
C204.2	3	3	2	1	1	-	-	-	1	1	1	1	3	1
C204.3	3	3	2	1	1	-	-	-	1	1	1		3	1
C204.4	3	2	3		1	-	-	-	1		1	1	3	1
C204.5	3	3	2	1	1	-	-	-	1	1	1	1	3	1
C204.6	3	3	2	1		-	-	-		1	1	1	3	1
Avg.	3.0	2.8	2.2	1.0	1.0				1.0	1.0	1.0	1.2	3.0	1.2
C204	3	3	2	1	1				1	1	1	1	3	1

**Academic Year-2023-24, Branch:ME, Subject:Fluid Mechanics and Hydraulic Machines (C205),Year/Semester-  
2nd/3rd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C205.1</b>	3	3	2	2	1	-	-	-	1	1	1	-	2	1
<b>C205.2</b>	3	3	2	2	1	-	-	-	-	1	-	-	2	1
<b>C205.3</b>	3	3	2	2	1	-	-	-	-	1	-	1	2	1
<b>C205.4</b>	3	3	2	2	1	-	1	-	-	-	-	2	2	1
<b>C205.5</b>	3	3	3	2	2	-	2	1	2	2	1	3	3	2
<b>C205.6</b>	3	3	3	2	2	-	2	1	2	1	2	3	3	2
<b>Avg.</b>	3	3	2.3	2	1.3	-	0.83	1	0.83	1	0.67	1.5	2.3	1.3
<b>C205</b>	3	3	2.4	2	1	-	1	1	1	1	1	2	2	1

Academic Year-2023-24, Branch:ME, Subject:Mechanics of Solid Lab (C207), Year/Semester- 2nd/3rd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C207.1	3	2	2	2	-	-	1	1	-	2	1	2	3	2
C207.2	2	2	1	2	-	-	1	1	-	1	1	1	2	1
C207.3	2	2	1	2	-	-	1	1	-	1	1	2	3	2
C207.4	2	2	1	2	-	-	1	1	-	2	1	1	2	1
Avg.	2.25	2	1.25	2			1	1		1.5	1	1.5	2.5	1.5
C207	2	2	1	2			1	1		2	1	2	3	2



**Academic Year-2023-24, Branch:ME, Subject:Fluid Mechanics and Hydraulic Machines Lab (C208), Year/Semester-  
2nd/3rd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>POSO1</b>	<b>PSO2</b>
<b>C208.1</b>	2	2	2	2	-	-	1	-	1	1	-	1	2	1
<b>C208.2</b>	2	2	2	2	-	-	1	-	1	1	1	1	2	1
<b>C208.3</b>	3	2	3	3	-	-	2	-	1	1	1	2	3	2
<b>C208.4</b>	3	2	3	3	-	-	2	-	1	1	1	2	3	2
<b>Avg.</b>	2.5	2	2.5	2.5			1.5		1	1	1	1.5	2.5	1.5
<b>C208</b>	3	2	3	3			2		1	1	1	2	3	2

Academic Year-2023-24, Branch:ME, Subject:OOP Using JAVA Lab (C209), Year/Semester- 2nd/3rd

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C209.1	3	3	3	-	-	-	-	-	-	2	-	-	3	2
C209.2	3	3	3	-	-	-	-	-	-	2	-	-	3	3
C209.3	3	3	3	-	-	-	-	-	-	2	-	-	3	3
C209.4	3	3	3	-	-	-	-	-	-	2	-	-	3	3
C209.5	3	3	3	-	-	-	-	-	-	2	-	-	3	2
Avg.	3	3	3	-	-	-	-	-	-	2	-	-	3	2.6
C209	3	3	3	-	-	-	-	-	-	2	-	-	3	3

**Academic Year-2023-24, Branch:ME, Subject: Evaluation of Internship-1 (C210), Year/Semester- 2nd/3rd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>P07</b>	<b>PO8</b>	<b>PO9</b>	<b>PO 10</b>	<b>PO 11</b>	<b>PO 12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C210.1</b>	2	2	-	-	1	-	1	-	1	1	-	1	2	1
<b>C210.2</b>	2	2	-	-	1	-		-	1	1	-	1	2	1
<b>C210.3</b>	2	3	-	-		-	1	-	1	1	-	1	2	1
<b>C210.4</b>	2	2	-	-	1	-	1	-		1	-	1	3	2
<b>Avg</b>	2	2.25			1		1		1	1		1	2.25	1.25
<b>C210</b>	2	2			1		1		1	1		1	2	1

**Academic Year-2023-24, Branch:ME, Subject:Kinematics and Dynamics of Machines (C211), Year/Semester-  
2nd/4th**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C211.1</b>	3	3	2	2	1				1	1	1	1	2	1
<b>C211.2</b>	3	3	3	2	1				1	1	1	1	2	1
<b>C211.3</b>	3	3	2	3					1	1		1		1
<b>C211.4</b>	3	2		2	1				1	1	1	1	2	1
<b>C211.5</b>	3	3	2	2	1					1	1		2	1
<b>C211.6</b>	3	3	3		1				1	1	1	1	2	1
<b>Avg.</b>	3.0	2.8	2.4	2.2	1.0				1.0	1.0	1.0	1.0	2.0	1.0
<b>C211</b>	3	3	2	2	1				1	1	1	1	2	1

Academic Year-2023-24, Branch:ME, Subject:Engineering Thermodynamics (C212), Year/Semester-  
2nd/4th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C212.1	3	3	1	1	0	1			1	1	-	2	3	1
C212.2	3	3	3	1	1		1		0	1	1	2	3	1
C212.3	3	3	3	1	1				1	1	1	2	3	1
C212.4	3	3	3	2	1				1	1	-	2	3	1
C212.5	3	3	3	1	0				0	1	1	2	3	1
C212.6	3	3	3	2	1				1	1	-	2	3	1
Avg	3	3	2.7	1.3	0.7				0.67	1	1	2	3	1
C212	3	3	3	1	1				1	1	1	2	3	1

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C213.1				2								2	1	3
C213.2		2		2								2	2	3
C213.3					2	3		1				2	2	3
C213.4	3	2	2								2	2	3	3
C213.5						2						2	2	3
C213.6						2						2	2	2
Avg	3.0	2.0	2.0	2.0	2.0	2.3		1.0			2.0	2.0	2.0	2.8
C213	3	2	2	2	2	2		1			2	2	2	3

**Academic Year-2023-24, Branch:ME, Subject:Introduction to Physical Metallurgy and Engineering Matrials  
(C214), Year/Semester- 2nd/4th**

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C214.1	3	3	2	2	1	-	-	-	1	1	1	1	3	1

<b>C214.2</b>	3	2	2	2	1	-	-	-	1	1	1	1	2	1
<b>C214.3</b>	2	3	2	2	2	-	-	-	1	1	1	2	3	1
<b>C214.4</b>	3	3		2	2	-	-	-	2	1	1	2	3	1
<b>C214.5</b>	3	3	2		2	-	-	-	1	1	1	1	2	1
<b>C214.6</b>	2	2	2	2	2	-	-	-	1	1	1	1	2	1
<b>Avg.</b>	2.7	2.7	2	2	1.7				1.2	1	1	1.3	2.5	1
<b>C214</b>	3	3	2	2	2				1	1	1	1	3	1

**Academic Year-2023-24, Branch:ME, Subject:Mechanical Measurent,Metrology & Reliability (C215),  
Year/Semester- 2nd/4th**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C215.1</b>	2	2	2	2	1				1	1	1	1	2	1
<b>C215.2</b>	3	3	2	2	2				1	1	1	2	3	2
<b>C215.3</b>	3	3	2	2	1				1	1	1	2	3	2
<b>C215.4</b>	3	3	2	2	1				1	1	1	2	3	2

C215.5	3	3	2	2	1				1	1	1	2	3	2
C215.6	3	3	2	2	2	2	1	1	1	1	2	2	3	2
Avg														
C215	2.8	2.8	2	2	1.3	2	1	1	1	1	1.2	1.8	2.8	1.8

**Academic Year-2023-24, Branch:ME, Subject:Microprocessor and Microcontroller (C216), Year/Semester-  
2nd/4th**

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C216.1	3	3	2	2	2	-	-	-	-	-	1	2	3	2
C216.2	3	3	2	2	2	-	-	-	-	-	1	2	3	2
C216.3	3	3	2	2	2	-	-	-	-	-	1	2	3	2
C216.4	3	3	3	2	3	-	-	-	-	-	1	2	3	2
C216.5	3	3	3	2	3	-	-	-	-	-	1	2	3	2
C216.6	3	3	3	2	3	-	-	-	-	-	1	2	3	2
Avg	3	3	3	2	2.5	-	-	-	-	-	1	2	3	2



C216	3	3	3	2	3	-	-	-	-	-	1	2	3	2
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Academic Year-2023-24, Branch:ME , Subject:Kinematics & Dynamics of Machines Lab (C218,) Year/Semester-2nd/4th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C218.1	2	2	2	2	-	-	1	-	1	1	-	1	2	2
C218.2	2	2	2	2	-	-	1	-	1	1	1	1	2	2
C218.3	3	2	3	3	-	-	2	-	1	1	1	2	3	1
C218.4	3	2	3	3	-	-	2	-	1	1	1	2	3	1
Avg	2.5	2	2.5	2.5			1.5		1	1	1	1.5	2.5	1.5
C218	3	2	3	3			2		1	1	1	2	3	2

**Academic Year-2023-24, Branch:ME, Subject:Engineering Thermodynamics Lab (C219), Year/Semester-  
2nd/4th**

<b>Course Outcome</b>	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C219.1</b>	2	2	2	2	-	-	1	-	1	1	1	1	2	1
<b>C219.2</b>	3	2	2	2	-	-	1	-	1	1	1	2	3	2
<b>C219.3</b>	3	2	3	3	-	-	2	-	1	1	1	2	3	2
<b>C219.4</b>	2	2	3	3	-	-	2	-	1	1	1	1	2	1
<b>Avg</b>	2.5	2	2.5	2.5			1.5		1	1	1	1.5	2.5	1.5
<b>C219</b>	3	2	3	3			2		1	1	1	2	3	2

**Academic Year-2023-24, Branch:ME, Subject:Introduction to Physical Metallurgy and Engineering Materials Lab  
(C220), Year/Semester- 2nd/4th**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C220.1</b>	2	2	2	3	2	-	-	-	1	2	1	2	2	1
<b>C220.2</b>	2	2	2	2	2	-	-	-	1	2	1	2	2	1
<b>C220.3</b>	2	2	3	3	2	-	-	-	1	2	1	2	2	1
<b>C220.4</b>	2	2	3	2	2	-	-	-	1	1	1	1	2	1
<b>Avg</b>	2	2	2.5	2.5	2				1	1.75	1	1.75	2	1
<b>C220</b>	2	2	3	3	2				1	2	1	2	2	1

**Academic Year-2023-24, Branch:ME, Subject: Basic Manufacturing Processes (C301),  
Year/Semester- 3rd/5th**

<b>Course outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C301.1</b>	3	2	1	1	1				1	1	1	1	2	1
<b>C301.2</b>	3	2	1		1				1	1	1	1	2	1
<b>C301.3</b>	3	2	1	1					1	1	1	1	2	1
<b>C301.4</b>	3	3		1	1				1				2	1
<b>C301.5</b>	3	2	1	1	1				1	1	1	1	2	1
<b>C301.6</b>	2	3	1	1					1	1	1	1	2	1
<b>Avg</b>	2.8	2	1	1	1				1	1	1	1	2	1
<b>C301</b>	3	2	1	1	1				1	1	1	1	2	1

Academic Year-2023-24, Branch:ME , Subject:Mechanisms and Machines (C302), Year/Semester- 3rd/5th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C302.1	3	2	2	1	-			-	1	1	1	1	3	2
C302.2	3	3	2	1	1				1		1	1	3	1
C302.3	3	2	2							1			3	1
C302.4	3	2	3	1					1			1	3	1
C302.5	3	3	2							1	1		3	1
C302.6	3	2	3	1	1				1		1		3	2
Avg	3.0	2.3	2.3	1.0	1.0				1.0	1.0	1.0	1.0	3.0	1.3
C302	3	2	2	1	1				1	1	1	1	3	1

**Academic Year-2023-24, Branch:ME, Subject:Heat Transfer (C303), Year/Semester- 5th/3rd**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>pSO2</b>
<b>C303.1</b>	3	2	1	1	-				-	2	1	1	3	1
<b>C303.2</b>	3	3	2	1	1	-	-		1	2	1	1	3	1
<b>C303.3</b>	3	2	2	1	1	-	-	-	1	1	1	1	3	1
<b>C303.4</b>	3	2	2	1	1				1	1	1	1	3	1
<b>C303.5</b>	3	2	2	1	1	-	-	-	1	1	3	2	3	1
<b>C303.6</b>	3	2	2	1	1				1	1	1	1	3	1
<b>Avg</b>	3	2.16	1.83	1	0.83				1	1.33	1	1	3	1
<b>C303</b>	3	2	2	1	1				1	1	1	1	3	1

**Academic Year-2023-24, Branch:ME, Subject:Automobile Engineering (C304), Year/Semester- 3rd/5th**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C304.1</b>	3	3	3	1	1	1	1	3	1	1	1	1	3	1
<b>C304.2</b>	3	3	3	2			-	-	1			2	3	1
<b>C304.3</b>	3	3	2	2		2	-	-	1	1	1	1	3	1
<b>C304.4</b>	3	2	3	1	1		-	-			1	2	3	2
<b>C304.5</b>	3	3	2	2		1	-	-	1	1		1	3	1
<b>C304.6</b>	3	3	3	2	1	2	1	-	1	1	1	2	3	2
<b>Avg</b>	3.0	2.8	2.7	1.7	1.0	1.5	1.0	3.0	1.0	1.0	1.0	1.5	3.0	1.3
<b>C304</b>	3	3	3	2	1	2	1	3	1	1	1	2	3	1

**Academic Year-2023-24, Branch:ME, Subject: Rapid Manufacturing Process (C305),  
Year/Semester- 3rd/5th**

<b>Course outcome</b>	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C305.1</b>	3	2	2	1	1				1	2	1	2	2	1
<b>C305.2</b>	3	2	2	1					1	2	1		2	1
<b>C305.3</b>	3	2	2	1	1				1		1	2	2	1
<b>C305.4</b>	3	3	2		1					2		2	2	1
<b>C305.5</b>	3	2	3	1					1	2	1		2	1
<b>C305.6</b>	3	2	2	1	1				1		1	2	2	1
<b>Avg</b>	3.00	2.17	2.17	1.00	1.00				1.00	2.00	1.00	2.00	2.00	1.00
<b>C305</b>	3	2	2	1	1				1	2	1	2	2	1



**Academic Year-2023-24, Branch:ME, Subject: Basic Manufacturing Processes Lab(C307),  
Year/Semester- 3rd/5th**

<b>Course outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C307.1</b>	2	2	2	2	-	-	1	-	1	2	1	1	2	1
<b>C307.2</b>	2	2	2	3	-	-	1	-	1	2	2	1	3	2
<b>C307.3</b>	2	2	2	3	-	-	1	-	1	2	2	1	3	2
<b>C307.4</b>	2	2	2	2	-	-	1	-	1	1	1	1	2	1
<b>Avg</b>	2	2	2	2.5			1		1	1.75	1.5	1	2.5	1.5
<b>C307</b>	2	2	2	3			1		1	2	2	1	3	2

**Academic Year-2023-24, Branch:ME, Subject:Mechanisms and Machines Lab (C308), Year/Semester-3rd/5th**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C308.1</b>	2	2	2	2	-	-	1	-	1	2	-	1	2	1
<b>C308.2</b>	2	2	1	3	-	-	1	-	1	2	-	2	2	2
<b>C308.3</b>	2	1	2	2	-	-	1	-	2	2	-	1	2	1
<b>C308.4</b>	2	2	2	3	-	-	1	-	1	1	-	2	2	2
<b>Avg</b>	2	1.75	1.75	2.5			1		1.25	1.75		1.5	2	1.5
<b>C308</b>	2	2	2	3			1		1	2		2	2	2

Academic Year-2023-24, Branch:ME, Subject: Heat Transfer Lab (C309) , Year/Semester-3rd/5th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C309.1	3	2	2	2	-	-	1	-	1	2	-	1	2	1
C309.2	3	2	2	3	-	1	1	-	1	2	-	2	3	2
C309.3	3	2	2	3	-	1	1	-	1	2	-	2	3	2
C309.4	2	2	2	2	-	-	1	-	1	1	-	1	2	1
Avg	2.75	2	2	2.5		1	1		1	1.75		1.5	2.5	1.5
C309	3	2	2	3		1	1		1	2		2	3	2

Academic Year-2023-24, Branch:ME, Evaluation of Summer Internship (C310), Year/Semester- 3rd/5th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
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<b>C310.1</b>	2	2	-	-	1	-	1	-	1	1	-	2	2	1
<b>C310.2</b>	2	2	-	-	1	-	1	-	1	1	-	2	2	1
<b>C310.3</b>	2	2	-	-	1	-	1	-	1	1	-	2	2	1
<b>C310.4</b>	2	2	-	-	1	-	1	-	1	1	-	2	3	2
<b>Avg</b>	2	2			1		1		1	1		2	2.25	1.25
<b>C310</b>	2	2			1		1		1	1		2	2	1

**Academic Year-2023-24, Branch:ME, Subject: Design of Machine Elements (C311), Year/Semester- 3rd/6th**

<b>Course outcome</b>	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C311.1</b>	3	2	3	3	1			-	3	2	1	3	3	2
<b>C311.2</b>	3	3	2	3	-		-	-	2	2	1	2	3	2
<b>C311.3</b>	3	3	3	1	1			1	3	1	1	3	3	2
<b>C311.4</b>	3	2	3	2	1			-	2	2		2	3	2

C311.5	3	3	2	2	-			1	3	2	1	2	3	2
C311.6	3	3	3	2	1			1	3	2		2	3	2
Avg	3.0	2.7	2.7	2.2	1.0			1.0	2.7	1.8	1.0	2.3	3	2
C311	3	3	3	2	1			1	3	2	1	2	3	2

Academic Year-2023-24, Branch:ME, Subject: Machining Science and Technology(C312), Year/Semester- 3rd/6th

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C312.1	3	3	2	1	1	-	-	-	1	1	2	1	3	1
C312.2	3	3	2	1	1	-	-	-	1	1	3	1	3	2
C312.3	3	3	2	1	1	-	-	-	1	1	2	1	3	1
C312.4	3	3	3	1	1	-	-	-	1	1	2	1	3	1
C312.5	2	2	2	1	1	-	-	-	1	1	2	1	2	1
C312.6	3	3	2	1	1	-	-	-	1	1	2	1	3	1
Avg	2.8	2.8	2.2	1	1				1	1	2.2	1	2.8	1.2

<b>C312</b>	3	3	2	1	1				1	1	2	1	3	1
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**Academic Year-2023-24, Branch:ME, Subject: Optimization in Engineering (C313), Year/Semester- 3rd/6th**

<b>Course outcome</b>	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>C313.1</b>	3	3	3	2	2	2	2	1	1	2	2	2	3	3
<b>C313.2</b>	3	3	2	3	3	2	2	1	3	3	2	2	3	2
<b>C313.3</b>	3	3	3	2	3	2	2	2	3	3	2	2	2	2
<b>C313.4</b>	3	3	2	3	3	3	1	1	3	3	1	2	3	2
<b>C313.5</b>	3	3	2	2	3	2	1	2	3	2	2	2	2	1
<b>C313.6</b>	3	3	2	3	3	3	2	1	2	3	3	2	2	2
<b>Avg</b>	3	3	2.3	2.5	2.8	2.3	1.7	1.3	2.5	2.7	2.0	2.0	2.5	2.0
<b>C313</b>	3	3	2	3	3	2	2	1	3	3	2	2	3	2

Academic Year-2023-24, Branch:ME, Subject: Smart and Composite Materials (C314), Year/Semester- 3rd/6th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C314.1	2	1	1	1	1				1	1	1	1	2	1
C314.2	2	1		1						1		1	2	1
C314.3	2	1	1	1	1				1	1	1	1	2	1
C314.4	2		1								1	1	2	1
C314.5	2	1		1	1				1	1	1		2	1
C314.6	2	1	1	1					1	1	1	1	2	1
Avg	2	1	1	1	1				1	1	1	1	2	1
C314	2	1	1	1	1				1	1	1	1	2	1

**Academic Year-2023-24, Branch:ME, Artificial Intelligence and Machine Learning (C315),  
Year/Semester-3rd/6th**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO 1</b>	<b>PSO 2</b>
<b>C315.1</b>	3	3	3	1	-	-	-	-	-	-	-	1	2	3
<b>C315.2</b>	3	3	2	1	-	-	-	-	-	-	-	1	3	2
<b>C315.3</b>	3	3	2	2	-	-	-	-	-	-	-	1	3	2
<b>C315.4</b>	3	3	2	3	-	-	-	-	-	-	-	1	3	3
<b>C315.5</b>	3	3	2	2	-	-	-	-	-	-	-	1	3	2
<b>C315.6</b>	3	3	2	1	-	-	-	-	-	-	-	1	2	2
<b>Average</b>	3	3	2.2	1.7	-	-	-	-	-	-	-	1	2.7	2.3
<b>C315</b>	3	3	2	2	-	-	-	-	-	-	-	1	3	2



Academic Year-2023-24, Branch:ME, Subject: Design of Machine Elements Lab (C317), Year/Semester- 3rd/6th

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C317.1	2	2	2	2	2	-	-	-	-	1	-	1	1	1
C317.2	2	2	2	2	2	-	-	-	-	2	-	1	2	1
C317.3	3	3	2	3	2	-	-	-	-	2	-	1	2	2
C317.4	2	2	2	2	2	-	-	-	-	1	-	1	2	1
Avg	2.25	2.25	2	2.25	2					1.5		1	1.75	1.25
C317	2	2	2	2	2					2		1	2	1

Academic Year-2023-24, Branch:ME ,Subject: Machining Science and Technology Lab (C318), Year/Semester-3rd/6th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C318.1	3	2	2	2	-	-	-	-	1	2	-	1	2	1
C318.2	2	2	2	2	-	-	-	-	1	2	-	1	2	1
C318.3	2	2	2	2	-	-	-	-	1	2	-	1	2	1
C318.4	3	2	2	3	3	-	-	-	1	1	-	2	3	2
Avg	2.5	2	2	2.25	3				1	1.75		1.25	2.25	1.25
C318	3	2	2	2	3				1	2		1	2	1

Academic Year-2023-24, Branch:ME, Subject: Seminar-1 (C320), Year/Semester- 4th/7th

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
C320.1	3	2	2	2	1	-	1	-	1	2	-	-	2	1
C320.2	2	3	2	2	1	-	1	-	1	2	-	-	2	1
C320.3	2	2	3	2	1	-	1	-	1	2	-	-	2	1
C320.4	2	2	2	2	1	-	1	-	1	2	-	-	2	1
Avg	2.25	2.25	2.25	2	1		1		1	2			2	1
C320	2	2	2	2	1		1		1	2			2	1

Academic Year-2023-24, Branch:ME, Entrepreneurship Development (C401), Year/Semester- 4th/7th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1						2		2				2	2	2
C401.2				2	2					3		3	3	2
C401.3							3	2				2	2	3
C401.4											3	2	2	3
C401.5			3			3						3	3	3
C401.6						3				2	2	3	3	3
Avg			3.0	2.0	2.0	2.7	3.0	2.0		2.5	2.5	2.5	2.5	2.7
C401			3	2	2	3	3	2		3	3	3	3	3

Academic Year-2023-24, Branch:ME, Subject: Power Plant Engineering (C402), Year/Semester- 4th/7th

Course Outcome	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	PSO1	PSO2
C402.1	3	3	3	1	1	1	-	-	1	1	1	1	3	2
C402.2	3	3	2	1	1	-	-	-	1	1	1	1	2	1
C402.3	3	3	2	1	1	-	-	-	1	1	1	1	2	1
C402.4	3	3	2	1	1	-	-	-	1	1	1	-	2	1
C402.5	3	3	2	1	1	-	-	-	1	1	1	1	2	1
C402.6	3	2	3	1	1	1	1		1	1	3	1	3	2
Avg	3	2.8	2.3	1	1	1	1		1	1	1.3	1.2	2.3	1.3
C402	3	3	2	1	1	1	1		1	1	1	1	2	1



Academic Year-2023-24, Branch:ME , Digital VLSI Design (C404), Year/Semester- 4th/7th

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C404.1	3	3	2	2		-	-	-	-	-	-	2	3	2
C404.2	3	3	2	2		-	-	-	-	-	1	2	3	2
C404.3	3	3	2	2		-	-	-	-	-	2	2	3	2
C404.4	3	3	3	3		-	-	-	1	-	2	2	3	2
C404.5	3	3	2	2		-	-	-	1	-	2	2	3	2
C404.6	3	3	3	3		-	-	-	1	-	2	2	3	2
Avg.	3	3	2.333	2.3		-	-	-	1	-	1.8	2	3	2
C404	3	3	2	2		-	-	-	1	-	2	2	3	2

Academic Year-2023-24, Branch:ME, Green Technology (C405),

Year/Semester- 4th/7th

Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C405.1	2	-	-	-	-	2	3	2	-	-	-	2	1	1
C405.2	2	-	-	-	-	2	3	2	-	-	-	2	1	-
C405.3	2	-	2	-	3	2	3	2	-	-	-	2	1	-
C405.4	2	-	2	-	3	2	3	2	-	-	-	2	1	1
C405.5	2	-	2	-	3	2	3	2	-	-	-	2	1	1
C405.6	2	-	2	-	3	2	3	2	-	-	-	2	1	1
Avg	2	-	2	-	3	2	3	2	-	-	-	2	1	1
C405	2	-	2	-	3	2	3	2	-	-	-	2	1	1

Academic Year-2023-24, Branch:ME, Subject: Industrial Safety Engineering (C406), Year/Semester- 4th/7th



Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C406.1	2	2	2	3	2	2	1	2	2	2	2	2	2	1
C406.2	2	2	1	1	1	2		2	2	2	3	2	2	2
C406.3	2	2	2	2	1	2		2	1	1	2	1	2	1
C406.4	2	3	2	2	2	1		1	2	2	2	2	2	2
C406.5	2	2	2	2	1	2	2	2	2	2	2	2	2	2
C406.6	2	2	2	2	1	2	2	2	1	1	2	2	2	2
Avg	2.0	2.2	1.8	2.0	1.3	1.8	1.7	1.8	1.7	1.7	2.2	1.8	2.0	1.7
C406	2	2	2	2	1	2	2	2	2	2	2	2	2	2

Academic Year-2023-24, Branch:ME, Minor Project (C408), Year/Semester- 4th/7th

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
C408.1	3	2	2	2	-	2	1	2	2	2	1	1	3	1

<b>C408.2</b>	2	3	2	2	-	1	1	2	2	2	2	1	2	2
<b>C408.3</b>	2	2	3	2	-	2	1	2	2	2	2	1	2	1
<b>C408.4</b>	2	2	2	3	-	2	1	2	2	2	2	1	2	2
<b>Avg</b>	2.25	2.25	2.25	2.3		1.75	1	2	2	2	1.75	1	2.25	1.5
<b>C408</b>	2	2	2	2		2	2	2	2	2	2	1	2	2

Academic Year-2023-24, Branch:ME, Seminar -II (C409),

Year/Semester- 4th/7th

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO 10</b>	<b>PO 11</b>	<b>PO 12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C409.1</b>	3	2	2	2	1	2	1	1	1	2	1	1	2	2
<b>C409.2</b>	2	3	2	2	1	1	1	2	1	2	1	1	2	2
<b>C409.3</b>	2	2	3	2	1	2	1	2	1	2	1	1	3	1
<b>C409.4</b>	2	2	2	2	1	1	1	2	1	2	1	1	2	1
<b>Avg</b>	2.25	2.3	2.25	2	1	1.5	1	1.75	1	2	1	1	2.25	1.5
<b>C409</b>	2	2	2	2	1	2	1	2	1	2	1	1	2	2

**Academic Year-2023-24, Branch:ME, Comprehensive Viva (C410), Year/Semester- 4th/8th**

<b>Course Outcome</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO 10</b>	<b>PO 11</b>	<b>PO 12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>C410.1</b>	3	2	2	1	2	3	3	3	1	2	3	2	3	2
<b>C410.2</b>	2	3	-	1	2	3	2	2	2	2	3	1	2	3
<b>C410.3</b>	2	2	2	1	1	3	3	3	1	2	3	2	2	2
<b>C410.4</b>	2	2	2	1	2	3	2	3	2	2	3	1	2	3
<b>Avg</b>	2.25	2.25	1.75	1.0	1.75	3	2.5	2.75	1.5	2	3	1.5	2.25	2.5
<b>C410</b>	2	2	2	1	2	3	3	3	2	2	3	2	2	3

