

Department of Mechanical Engineering, SGSITS-Indore
B.Tech, Course Articulation Matrix 2022-23

II YEAR, SEM A July-Dec 2022

Subject Nomenclature: Fluid Mechanics

Subject Code: ME26011

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	1	–	–	–	–	–	–	–	–	–	–	–
CO2	3	2	2	2	1	–	–	–	–	–	–	–	–	–
CO3	3	1	1	–	–	–	–	–	–	–	–	–	–	–
CO4	3	2	2	2	1	–	–	–	–	–	–	–	–	–
CO5	2	2	2	2	1	–	–	–	–	–	–	–	–	–
	2.8	1.6	1.6	2	1	–	–	–	–	–	–	–	–	–

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

II YEAR, SEM A July-Dec 2022

Subject Nomenclature: Strenght of Materials

Subject Code: ME26002

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO2	3	3	2	–	–	–	–	–	–	–	–	1	3	1
CO3	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO4	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO5	3	2	2	–	–	–	–	–	–	–	–	1	3	1
	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

II YEAR, SEM A July-Dec 2022

Subject Nomenclature: Mathematics-III

Subject Code: MA 26004

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO2	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO3	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO4	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO5	3	3	2	1	–	–	–	–	1	–	–	3	–	–
	3	3	2	1	–	–	–	–	1	–	–	3	–	–

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

Department of Mechanical Engineering, SGSITS-Indore
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II YEAR, SEM A July-Dec 2022

Subject Nomenclature: Materials Science

Subject Code: ME26008

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	–	–	–	–	–	–	–	–	–	–	1	1
CO2	3	1	–	–	–	–	–	–	–	–	–	–	1	1
CO3	3	1	–	2	–	–	–	–	–	–	–	–	1	1
CO4	3	1	2	–	–	–	–	–	–	–	–	–	2	1
CO5	3	1	1	–	–	–	–	–	–	–	–	–	2	1
	3	1	1.5	2	–	–	–	–	–	–	–	–	1.4	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

II YEAR, SEM A July-Dec 2022

Subject Nomenclature: Thermodynamics

Subject Code: ME26005

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	1	–	–	–	–	–	–	–	–	3	1
CO2	3	3	3	3	–	–	1	–	–	–	–	–	3	2
CO3	3	3	2	2	–	–	–	–	–	–	–	–	3	1
CO4	1	3	2	1	–	–	–	–	–	–	–	–	3	3
CO5	3	3	2	1	–	–	1	–	–	–	–	–	3	2
	2.6	3	2.2	1.6	–	–	1	–	–	–	–	–	3	1.8

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

II YEAR, SEM B Jan-June 2023

Subject Nomenclature: Mathematics-IV

Subject Code: MA 26556

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO2	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO3	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO4	3	3	2	1	–	–	–	–	1	–	–	3	–	–
CO5	3	3	2	1	–	–	–	–	1	–	–	3	–	–
	3	3	2	1	–	–	–	–	1	–	–	3	–	–

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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II YEAR, SEM B Jan-June 2023

Subject Nomenclature: Machine Design-1

Subject Code: ME26551

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO2	3	3	2	–	–	–	–	–	–	–	–	1	3	1
CO3	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO4	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO5	3	2	2	–	–	–	–	–	–	–	–	1	3	1
	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

II YEAR, SEM B Jan-June 2023

Subject Nomenclature: Kinematics of Machines

Subject Code: ME26562

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO2	3	3	2	–	–	–	–	–	–	–	–	1	3	1
CO3	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO4	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO5	3	2	2	–	–	–	–	–	–	–	–	1	3	1
	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

II YEAR, SEM B Jan-June 2023

Subject Nomenclature: Basic Electronics

Subject Code: EC26563

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	–	–	1
CO2	3	2	2	2	–	–	–	–	–	–	–	1	–	1
CO3	3	2	2	2	–	–	–	–	–	–	–	1	–	2
CO4	3	2	3	–	–	–	–	–	–	–	–	1	–	1
CO5	3	2	3	3	2	–	–	–	–	–	–	1	–	3
	3	2	2.4	2.3	2	–	–	–	–	–	–	1	–	1.6

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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II YEAR, SEM B Jan-June 2023

Subject Nomenclature: Manufacturing Processes - 1

Subject Code: IP 26553

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	–	2	–	2	2	2	–	–	–	–	2	–	2
CO2	3	2	2	2	2	2	–	2	–	–	–	2	3	3
CO3	3	2	2	2	2	2	–	–	2	–	2	2	3	3
CO4	3	2	3	2	2	2	–	–	–	2	–	2	3	3
CO5	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2.75	2	2.25	2	2	2	2	2	2	2	2	2	3	2.75

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

III YEAR, SEM A July-Dec 2022

Subject Nomenclature: DYNAMICS OF MACHINE

Subject Code: ME36011

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	–	–	–
CO2	3	1	1	–	–	–	–	–	–	–	–	–	–	–
CO3	3	2	1	–	–	–	–	–	–	–	–	–	–	–
CO4	3	2	2	–	–	–	–	–	–	–	–	–	–	–
CO5	3	3	2	1	–	–	–	–	–	–	–	–	–	–
	3	2	1.6	1	–	–	–	–	–	–	–	–	–	–

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

III YEAR, SEM A July-Dec 2022

Subject Nomenclature: Measurement and Automatic Control (Theory)

Subject Code: ME 36003

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	–	–	–	–	–	–	–	–	–	–	1	1	1
CO2	3	3	3	–	–	–	–	–	–	–	–	1	1	1
CO3	3	2	3	1	–	–	–	–	–	–	–	1	1	1
CO4	3	3	3	–	–	–	–	–	–	–	–	1	2	1
	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	2.667	3	1	–	–	–	–	–	–	–	1	1.25	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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III YEAR, SEM A July-Dec 2022

Subject Nomenclature: Heat and Mass Transfer

Subject Code: ME 36006

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	3	1	2	—	—	—	—	—	3	3
CO2	3	3	3	3	2	—	—	—	—	—	—	—	3	3
CO3	3	3	3	3	3	—	—	—	—	—	—	—	3	3
CO4	3	3	3	3	3	—	1	—	—	—	—	—	3	3
CO5	3	3	3	3	—	—	—	—	—	—	—	—	3	3
	3	3	3	3	2.75	1	1.5	—	—	—	—	—	3	3

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “—”

III YEAR, SEM A July-Dec 2022

Subject Nomenclature: Steam and Gas Power Systems

Subject Code: ME36007

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	—	—	—	—	—	—	—	—	3	3	1
CO2	3	3	2	—	—	—	—	—	—	—	—	3	3	1
CO3	3	3	2	—	—	—	—	—	—	—	—	3	3	1
CO4	3	3	2	—	—	—	—	—	—	—	—	3	3	1
CO5	3	3	2	—	—	—	—	—	—	—	—	3	3	1
	3	3	2	—	—	—	—	—	—	—	—	3	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “—”

III YEAR, SEM A July-Dec 2022

Subject Nomenclature: Manufacturing Processes-II

Subject Code: IP 36062

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	—	2	—	2	2	2	—	—	—	—	2	—	2
CO2	3	2	2	2	2	2	—	2	—	—	—	2	3	3
CO3	3	2	2	2	2	2	—	—	2	—	2	2	3	3
CO4	3	2	3	2	2	2	—	—	—	2	—	2	3	3
CO5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2.75	2	2.25	2	2	2	2	2	2	2	2	2	3	2.75

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “—”

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III YEAR, SEM B Jan-June 2023

Subject Nomenclature: Refrigeration and Air Conditioning

Subject Code: ME36501

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	—	—	—	—	—	—	—	—	3	1
CO2	3	3	2	3	—	—	1	—	—	—	—	—	3	1
CO3	3	2	2	2	—	—	—	—	—	—	—	—	3	1
CO4	3	3	2	2	—	—	—	—	—	—	—	—	3	1
CO5	3	3	2	2	—	—	—	—	—	—	—	—	3	1
	3	2.8	2	2.2	—	—	1	—	—	—	—	—	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “—”

III YEAR, SEM B Jan-June 2023

Subject Nomenclature: Machine Design-II

Subject Code: ME36503

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	—	—	2	—	—	—	—	2	3	1
CO2	3	3	3	3	1	—	—	—	—	—	—	2	3	1
CO3	3	3	3	3	1	—	—	—	—	—	—	2	3	1
CO4	3	3	3	3	1	—	—	—	—	—	—	2	3	1
CO5	3	3	3	3	2	—	—	—	—	—	—	2	3	1
	3	3	3	3	1.25	—	2	—	—	—	—	2	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “—”

III YEAR, SEM B Jan-June 2023

Subject Nomenclature: Fluid Machinery (Theory)

Subject Code: ME 36506

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	3	1	—	—	—	2	—	—	—	—	—
CO2	3	2	2	3	1	—	—	—	2	—	—	1	—	—
CO3	3	2	2	3	3	—	—	—	2	—	—	1	—	—
CO4	3	2	2	2	1	—	—	—	—	—	—	—	—	—
CO5	3	3	3	2	—	—	—	—	—	—	—	1	—	—
	3	2.2	2.2	2.6	1.5	—	—	—	2	—	—	1	—	—

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “—”

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III YEAR, SEM B Jan-June 2023

Subject Nomenclature: I.C. Engines

Subject Code: ME36509

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	–	–	2	–	–	–	–	2	3	1
CO2	3	3	3	3	1	–	–	–	–	–	–	2	3	1
CO3	3	3	3	3	1	–	–	–	–	–	–	2	3	1
CO4	3	3	3	3	1	–	–	–	–	–	–	2	3	1
CO5	3	3	3	3	2	–	–	–	–	–	–	2	3	1
	3	3	3	3	1.25	–	2	–	–	–	–	2	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

III YEAR, SEM B Jan-June 2023

Subject Nomenclature: IEPM

Subject Code: IP 36504

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO2	3	3	2	–	–	–	–	–	–	–	–	1	3	1
CO3	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO4	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO5	3	2	2	–	–	–	–	–	–	–	–	1	3	1
	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

III YEAR, SEM B Jan-June 2023

Subject Nomenclature: Internship/Minor Project

Subject Code: ME36581

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	–	–	–	–	–	1	2	–	3	3	–	–	3	3
CO2	3	3	3	3	3	3	–	–	–	–	–	–	3	3
CO3	3	–	–	–	–	–	1	–	–	–	2	1	3	3
CO4	–	–	–	–	–	–	–	3	–	–	–	3	–	1
CO5	–	–	–	–	–	–	–	3	3	3	–	–	–	1
	3	3	3	3	3	2	1.5	3	3	3	2	2	3	2.2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Automobile Engineering

Subject Code: ME46018

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	–	–	–	–	–	–	–	–	1	–	2
CO2	3	3	–	–	–	–	–	–	–	–	–	1	–	1
CO3	3	3	2	–	–	–	–	–	–	–	–	1	1	1
CO4	3	3	1	–	–	–	–	–	–	–	–	1	2	1
CO5	3	3	–	–	–	–	–	–	–	–	–	1		1
	3	3	1.67	–	–	–	–	–	–	–	–	1	1.5	1.2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Vibration & Noise Control

Subject Code: ME46051

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	–	–	–	–	–	–	–	–	1	2	2
CO2	3	3	2	–	–	–	–	–	–	–	–	1	2	2
CO3	3	3	2	–	–	–	–	–	–	–	–	1	2	2
CO4	3	3	2	2	1	–	2	–	–	–	–	1	2	2
CO5	3	3	2	–	1	3	2	–	–	–	–	1	2	2
	3	3	2	2	1	3	2	–	–	–	–	1	2	2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: CAD

Subject Code: ME46020

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO2	3	3	2	–	–	–	–	–	–	–	–	1	3	1
CO3	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO4	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO5	3	2	2	–	–	–	–	–	–	–	–	1	3	1
	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Mechatronics & Automation

Subject Code: ME46218

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	–	2	–	–	–	–	–	–	2	2	2
CO2	2	3	3	2	2	–	–	–	–	–	–	1	3	2
CO3	2	1	–	–	–	–	–	–	–	–	–	1	3	–
CO4	2	2	2	–	–	–	–	–	–	–	–	2	2	–
CO5	2	–	–	–	–	–	–	–	–	–	–	1	2	–
	2	2	2.333	2	2	–	–	–	–	–	–	1.4	2.4	2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Advance Machine Design

Subject Code: ME 46219

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO2	3	3	2	–	–	–	–	–	–	–	–	1	3	1
CO3	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO4	3	2	2	–	–	–	–	–	–	–	–	1	3	1
CO5	3	2	2	–	–	–	–	–	–	–	–	1	3	1
	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Operation Research

Subject Code: IP46316

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	–	1	1	–	–	–	–	1	1	2	2	1
CO2	2	3	–	1	1	–	–	–	1	1	1	1	2	1
CO3	2	3	–	1	1	–	–	–	1	1	2	2	2	1
CO4	2	3	–	1	1	–	–	–	–	1	2	1	2	1
CO5	2	3	–	1	1	–	–	–	1	1	1.5	1.5	2	1
	2	3	–	1	1	–	–	–	1	1	1.5	1.5	2	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: DATA SCIENCE

Subject Code: ME463XX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	–	–	1	–	–	–	–	–	–	1	1	1
CO2	3	2	–	–	1	–	–	–	–	–	–	1	1	1
CO3	3	2	–	2	1	–	–	–	–	–	–	1	1	1
CO4	3	2	2	–	1	–	–	–	–	–	–	1	2	1
CO5	3	2	1	–	1	–	–	–	–	–	–	1	2	1
	3	2	1.5	2	1	–	–	–	–	–	–	1	1.4	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Hydraulic Pneumatic and Fluidic Control (Theory)

Subject Code: 46315

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	1	–	–	–	–	–	–	–	–	–	–	–
CO2	3	2	2	2	1	–	–	–	–	–	–	–	–	–
CO3	3	1	1	–	–	–	–	–	–	–	–	–	–	–
CO4	3	2	2	2	1	–	–	–	–	–	–	–	–	–
CO5	2	2	2	2	1	–	–	–	–	–	–	–	–	–
	2.8	1.6	1.6	2	1	–	–	–	–	–	–	–	–	–

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Major Project Phase-1

Subject Code: ME46498

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	–	–	–	–	2	–	–	–	2	3	1	–	–	–
CO2	–	2	–	2	–	–	–	–	–	–	–	–	–	–
CO3	3	3	–	–	–	–	–	–	–	–	–	1	2	–
CO4	3	3	2	2	3	–	–	–	2	–	–	–	1	2
CO5	–	–	–	–	–	–	–	–	1	3	2	–	–	–
	3	2.7	2	2	2.5	–	–	–	1.7	3	1.5	1	1.5	2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: Internship/Minor Project

Subject Code: ME46481

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	–	–	–	–	–	1	2	–	3	3	–	–	3	3
CO2	3	3	3	3	3	3	–	–	–	–	–	–	3	3
CO3	3	–	–	–	–	–	1	–	–	–	2	1	3	3
CO4	–	–	–	–	–	–	–	3	–	–	–	3	–	1
CO5	–	–	–	–	–	–	–	3	3	3	–	–	–	1
	3	3	3	–	–	–	–	–	–	–	–	2	3	2.2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM A July-Dec 2022

Subject Nomenclature: RENEWABLE ENERGY SOURCES

Subject Code: ME46668

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	2	–	–	2	2	–	–	–	–	–	3	1
CO2	3	2	2	2	1	–	–	–	–	–	–	–	3	1
CO3	3	1	1	–	2	2	–	–	–	–	–	–	3	1
CO4	3	1	–	–	2	2	2	–	–	–	–	–	3	1
CO5	3	–	–	–	–	1	1	–	–	–	–	–	3	1
	3.00	1.25	1.67	2.00	1.67	1.75	1.67	–	–	–	–	–	3	1

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM B Jan-June 2023

Subject Nomenclature: Design of Thermal System

Subject Code: ME 46704

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	1	2	1	–	–	–	–	–	–	–	3	2
CO2	3	3	2	1	–	–	–	–	–	–	–	–	3	2
CO3	3	3	2	3	–	–	–	–	–	–	–	–	3	2
CO4	3	3	2	2	–	–	–	–	–	–	–	–	3	2
CO5	3	1	1	1	1	2	1	–	–	–	–	–	3	2
	3	2.6	1.6	1.8	1	2	1	–	–	–	–	–	3	2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

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IV YEAR, SEM B Jan-June 2023

Subject Nomenclature: 3D Printing & Design

Subject Code: ME46706

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	–	3	–	–	–	–	–	–	1	3	2
CO2	3	2	3	–	–	–	–	–	–	–	–	1	3	2
CO3	3	2	3	–	–	–	1	–	–	–	–	1	3	2
CO4	3	3	2	–	–	–	–	–	–	–	–	1	3	2
CO5	3	2	2	–	3	–	–	–	–	–	–	1	3	2
	3	2.2	2.4	–	3	–	1	–	–	–	–	1	3	2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”

IV YEAR, SEM B Jan-June 2023

Subject Nomenclature: Internship/Minor Project

Subject Code: ME46882

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	-	-	-	-	-	1	2	-	3	3	-	-	3	3
CO2	3	3	3	3	3	3	-	-	-	-	-	-	3	3
CO3	3	-	-	-	-	-	1	-	-	-	2	1	3	3
CO4	-	-	-	-	-	-	-	3	-	-	-	3	-	1
CO5	-	-	-	-	-	-	-	3	3	3	-	-	-	1
	3	3	3	3	3	2	1.5	3	3	3	2	2	3	2.2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “-”

IV YEAR, SEM B Jan-June 2023

Subject Nomenclature: Vibration & Noise Control

Subject Code: ME46051

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	–	–	–	–	2	–	–	–	2	3	1	–	–	–
CO2	–	2	–	2	-	–	–	–	–	–	–	–	–	–
CO3	3	3	–	–	–	–	–	–	–	–	–	1	2	–
CO4	3	3	2	2	3	–	–	–	2	–	–	–	1	2
	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	2.7	2	2	2.5	–	–	–	2	3	1	1	1.5	2

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “–”