

CO-PO- PSO Articulation matrices of all courses

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C101.1	-	-	-	-	-	-	-	-	3	2	1	2	-	-
C101.2	-	-	-	-	-	-	-	-	3	3	3	2	-	-
C101.3	-	-	-	-	-	-	-	-	3	3	3	1	-	-
C101.4	-	-	-	-	-	-	-	-	3	3	2	2	-	-
C101.5	-	-	-	-	-	-	-	-	3	3	1	2	-	-
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	2.0	1.8	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C102.1	2	2	2	-	-	-	-	-	1	-	-	1	-	-
C102.2	2	3	2	-	-	-	-	-	1	-	-	2	-	-
C102.3	3	2	3	-	-	-	-	-	2	-	-	2	-	-
C102.4	3	3	3	-	-	-	-	-	2	-	-	2	-	-
C102.5	3	3	3	-	-	-	-	-	2	-	-	1	-	-
Average	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C103.1	3	3	3	-	-	-	2	-	-	-	-	1	-	-
C103.2	3	3	2	-	-	-	1	-	-	-	-	1	-	-
C103.3	3	3	3	-	-	-	2	-	-	-	-	1	-	-
C103.4	3	3	3	-	-	-	1	-	-	-	-	1	-	-
C103.5	3	2	2	-	-	-	1	-	-	-	-	1	-	-
Average	3.0	2.8	2.6	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.0	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C104.1	3	2	2	-	-	-	2	-	-	-	-	1	-	-
C104.2	3	2	2	-	-	-	3	-	-	-	-	1	-	-
C104.3	3	2	2	-	-	-	3	-	-	-	-	1	-	-
C104.4	3	2	2	-	-	-	3	-	-	-	-	1	-	-
C104.5	3	2	2	-	-	-	2	-	-	-	-	1	-	-
Average	3.0	2.0	2.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	1.0	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C105.1	3	2	2	-	3	-	-	-	-	-	-	2	-	2
C105.2	3	2	1	-	2	-	-	-	-	-	-	2	-	2
C105.3	3	2	1	-	3	-	-	-	-	-	-	2	-	2
C105.4	3	2	2	-	2	-	-	-	-	-	-	2	-	2
C105.5	3	2	2	-	3	-	-	-	-	-	-	2	-	2
Average	3.0	2.0	1.6	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C106.1	3	3	-	-	-	2	-	-	-	-	-	3	-	-
C106.2	3	2	-	-	-	2	-	-	-	-	-	2	-	-
C106.3	3	2	-	-	-	2	-	-	-	-	-	2	-	-
C106.4	3	3	-	-	-	3	-	-	-	-	-	3	-	-
C106.5	3	3	-	-	-	3	-	-	-	-	-	2	-	-
Average	3.0	2.6	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C107.1	3	3	3	-	3	-	-	-	-	-	-	2	1	2
C107.2	3	3	3	-	3	-	-	-	-	-	-	2	1	2
C107.3	3	3	3	-	3	-	-	-	-	-	-	2	1	2
C107.4	3	3	3	-	3	-	-	-	-	-	-	2	1	2
C107.5	3	3	3	-	3	-	-	-	-	-	-	2	1	2
Average	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	2.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C108.1	3	3	-	-	-	-	-	-	-	-	-	-	1	-
C108.2	3	3	-	-	-	-	-	-	-	-	-	-	1	-
C108.3	3	3	-	-	-	-	-	-	-	-	-	-	1	-
C108.4	3	3	-	-	-	-	-	-	-	-	-	-	1	-
C108.5	3	3	-	-	-	-	-	-	-	-	-	-	1	-
Average	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C109.1	-	-	-	-	-	-	-	-	3	2	1	2	-	-
C109.2	-	-	-	-	-	-	-	-	3	3	2	2	-	-
C109.3	-	-	-	-	-	-	-	-	3	3	2	2	-	-
C109.4	-	-	-	-	-	-	-	-	3	3	2	2	-	-
C109.5	-	-	-	-	-	-	-	-	3	3	2	2	-	-
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	1.8	2.0	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C110.1	3	3	3	-	-	-	-	-	2	-	-	2	-	-
C110.2	3	3	3	-	-	-	-	-	-	-	-	2	-	-
C110.3	3	3	3	-	-	-	-	-	-	-	-	-	-	-
C110.4	2	3	3	-	-	-	-	-	2	-	-	2	-	-
C110.5	3	3	3	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	3.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C111.1	3	3	1	-	-	-	1	-	-	-	-	2	-	-
C111.2	3	3	2	-	-	-	2	-	-	-	-	2	-	-
C111.3	3	3	2	-	-	-	2	-	-	-	-	2	-	-
C111.4	3	2	2	-	-	-	2	-	-	-	-	2	-	-
C111.5	3	3	2	-	-	-	2	-	-	-	-	2	-	-
Average	3.0	2.8	1.8	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	2.0	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C112.1	3	2	-	-	-	-	-	-	-	-	-	-	2	-
C112.2	3	1	-	-	-	-	-	-	-	-	-	-	2	-
C112.3	2	2	-	-	-	-	-	-	-	-	-	-	2	-
C112.4	3	1	-	-	-	-	-	-	-	-	-	-	2	-
C112.5	2	2	-	-	-	-	-	-	-	-	-	-	2	-
Average	2.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C113.1	3	2	2	-	3	-	-	-	-	-	-	2	-	2
C113.2	3	2	2	-	3	-	-	-	-	-	-	2	-	2
C113.3	3	2	2	-	3	-	-	-	-	-	-	2	-	2
C113.4	3	2	2	-	3	-	-	-	-	-	-	2	-	2
C113.5	3	2	2	-	3	-	-	-	-	-	-	2	-	2
Average	3.0	2.0	2.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C114.1	3	3	3	-	2	-	-	-	-	-	-	2	2	-
C114.2	3	3	3	-	2	-	-	-	-	-	-	2	2	-
C114.3	3	3	3	-	2	-	-	-	-	-	-	2	2	-
C114.4	3	3	3	-	2	-	-	-	-	-	-	2	2	-
C114.5	3	2	3	-	2	-	-	-	-	-	-	2	2	-
Average	3.0	2.8	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C115.1	3	3	-	-	-	2	-	-	-	-	-	1	1	-
C115.2	2	3	-	-	-	3	-	-	-	-	-	1	2	-
C115.3	3	3	-	-	-	2	-	-	-	-	-	1	2	-
C115.4	2	2	-	-	-	3	-	-	-	-	-	2	1	-
C115.5	3	3	-	-	-	3	-	-	-	-	-	2	2	-
Average	2.6	2.8	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	1.4	1.6	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C116.1	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C116.2	2	3	3	-	2	-	-	-	-	-	-	2	2	-
C116.3	3	2	3	-	3	-	-	-	-	-	-	2	2	-
C116.4	2	2	3	-	2	-	-	-	-	-	-	2	2	-
C116.5	3	3	3	-	3	-	-	-	-	-	-	2	2	-
Average	2.6	2.6	3.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C117.1	3	3	3	-	3	-	-	-	-	2	2	2	3	-
C117.2	3	3	3	-	3	-	-	-	-	2	2	2	3	-
C117.3	3	3	3	-	3	-	-	-	-	2	2	2	3	-
C117.4	3	3	3	-	3	-	-	-	-	2	2	2	3	-
C117.5	3	3	3	-	3	-	-	-	-	2	2	2	3	-
Average	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	3.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C201.1	3	3	1	-	-	-	-	-	-	-	-	2	-	2
C201.2	3	3	1	-	-	-	-	-	-	-	-	1	-	2
C201.3	3	3	2	-	-	-	-	-	-	-	-	1	-	2
C201.4	3	3	2	-	-	-	-	-	-	-	-	1	-	1
C201.5	3	3	3	-	-	-	-	-	-	-	-	1	-	2
Average	3.0	3.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.8

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C202.1	3	-	3	2	-	2	3	3	-	-	-	-	-	2
C202.2	3	-	2	1	-	2	2	2	-	-	-	-	-	2
C202.3	2	-	3	1	-	3	2	2	-	-	-	-	-	1
C202.4	2	-	3	2	-	3	3	3	-	-	-	-	-	2
C202.5	2	-	3	1	-	3	3	3	-	-	-	-	-	1
Average	2.4	0.0	2.8	1.4	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C203.1	3	2	3	-	-	-	-	-	-	-	-	2	3	-
C203.2	2	3	2	-	-	-	-	-	-	-	-	2	2	-
C203.3	3	3	3	-	-	-	-	-	-	-	-	2	3	-
C203.4	3	3	3	-	-	-	-	-	-	-	-	2	2	-
C203.5	2	2	2	-	-	-	-	-	-	-	-	2	2	-
Average	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.4	0.0

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C204.1	2	2	3	-	3	-	-	-	-	-	-	-	2	-
C204.2	2	3	3	-	2	-	-	-	-	-	-	-	2	-
C204.3	1	2	3	-	3	-	-	-	-	-	-	-	2	-
C204.4	2	2	2	-	3	-	-	-	-	-	-	-	2	-
C204.5	1	2	3	-	2	-	-	-	-	-	-	-	2	-
Average	1.6	2.2	2.8	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C205.1	3	2	2	-	-	-	-	-	-	-	-	-	2	-
C205.2	3	3	1	-	-	-	-	-	-	-	-	-	2	-
C205.3	3	3	1	-	-	-	-	-	-	-	-	-	2	-
C205.4	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C205.5	3	2	2	-	-	-	-	-	-	-	-	-	2	-
Average	3.0	2.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C206.1	3	2	3	-	-	-	-	-	-	-	-	2	3	-
C206.2	2	3	2	-	-	-	-	-	-	-	-	2	2	-
C206.3	3	3	3	-	-	-	-	-	-	-	-	2	3	-
C206.4	3	3	3	-	-	-	-	-	-	-	-	2	2	-
C206.5	2	2	2	-	-	-	-	-	-	-	-	2	2	-
Average	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.4	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C207.1	3	2	3	-	3	-	-	-	-	-	-	-	2	-
C207.2	3	3	3	-	3	-	-	-	-	-	-	-	2	-
C207.3	3	2	3	-	3	-	-	-	-	-	-	-	2	-
C207.4	3	2	2	-	2	-	-	-	-	-	-	-	2	-
C207.5	3	2	2	-	3	-	-	-	-	-	-	-	2	-
Average	3.0	2.2	2.6	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C208.1	3	3	2	-	3	-	-	-	-	-	-	-	1	-
C208.2	3	3	3	-	3	-	-	-	-	-	-	-	2	-
C208.3	2	2	2	-	2	-	-	-	-	-	-	-	2	-
C208.4	2	2	2	-	2	-	-	-	-	-	-	-	2	-
C208.5	3	3	3	-	3	-	-	-	-	-	-	-	2	1
Average	2.6	2.6	2.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C209.1	-	-	-	-		-	-	-	3	2	1	2	-	-
C209.2	-	-	-	-		-	-	-	3	3	3	1	-	-
C209.3	-	-	-	-		-	-	-	3	3	3	2	-	-
C209.4	-	-	-	-		-	-	-	3	3	2	2	-	-
C209.5	-	-	-	-		-	-	-	3	3	1	2	-	-
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	2.0	1.8	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C210.1	3	3	2	-	-	-	-	-	-	-	-	-	2	1
C210.2	3	3	3	-	-	-	-	-	-	-	-	-	1	2
C210.3	3	3	3	-	-	-	-	-	-	-	-	-	1	1
C210.4	3	3	3	-	-	-	-	-	-	-	-	-	3	1
C210.5	3	3	3	-	-	-	-	-	-	-	-	-	3	3
Average	3.0	3.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C211.1	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C211.2	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C211.3	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C211.4	2	2	2	-	-	-	-	-	-	-	-	-	2	-
C211.5	2	2	3	-	-	-	-	-	-	-	-	-	2	-
Average	2.6	2.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C212.1	3	3	2	2	-	-	-	-	-	-	-	-	2	-
C212.2	2	3	2	3	-	-	-	-	-	-	-	-	2	-
C212.3	3	2	3	2	-	-	-	-	-	-	-	-	3	-
C212.4	3	2	3	2	-	-	-	-	-	-	-	-	2	-
C212.5	2	3	2	3	-	-	-	-	-	-	-	-	2	-
Average	2.6	2.6	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C213.1	3	3	2	2	-	-	-	-	-	-	-	-	2	-
C213.2	2	3	2	3	-	-	-	-	-	-	-	-	2	-
C213.3	3	2	3	2	-	-	-	-	-	-	-	-	3	-
C213.4	3	2	3	2	-	-	-	-	-	-	-	-	2	-
C213.5	2	3	2	3	-	-	-	-	-	-	-	-	2	-
Average	2.6	2.6	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C214.1	3	1	3	-	-	-	-	-	-	-	-	-	1	1
C214.2	3	1	3	-	-	-	-	-	-	-	-	-	1	1
C214.3	3	1	3	-	-	-	-	-	-	-	-	-	1	1
C214.4	3	1	3	-	-	-	-	-	-	-	-	-	1	1
C214.5	3	1	3	-	-	-	-	-	-	-	-	-	1	1
Average	3.0	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C215.1	-	-	-	-	-	-	3	-	-	-	-	-	-	-
C215.2	-	-	-	-	-	-	3	-	-	-	-	-	-	-
C215.3	-	-	-	-	-	-	3	-	-	-	-	-	-	-
C215.4	-	-	-	-	-	-	3	-	-	-	-	-	-	-
C215.5	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Average	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C216.1	3	2	3	-	3	-	-	-	-	-	-	-	2	-
C216.2	3	3	3	-	3	-	-	-	-	-	-	-	2	-
C216.3	3	2	3	-	3	-	-	-	-	-	-	-	2	-
C216.4	3	2	2	-	2	-	-	-	-	-	-	-	2	-
C216.5	3	2	2	-	3	-	-	-	-	-	-	-	2	-
Average	3.0	2.2	2.6	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C302.1	3	1	2	-	-	-	-	-	-	-	-	-	1	-
C302.2	2	1	1	-	-	-	-	-	-	-	-	-	2	-
C302.3	3	2	3	-	-	-	-	-	-	-	-	-	3	-
C302.4	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C302.5	2	1	2	-	-	-	-	-	-	-	-	-	3	-
Average	2.6	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C303.1	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.2	2	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.3	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.4	2	3	2	-	-	-	-	-	-	-	-	-	2	-
C303.5	3	2	3	-	-	-	-	-	-	-	-	-	2	-
Average	2.6	2.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C304.1	3	1	1	-	3	-	-	-	-	-	-		2	-
C304.2	3	1	1	-	3	-	-	-	-	-	-		2	-
C304.3	2	1	1	-	2	-	-	-	-	-	-		2	-
C304.4	2	1	1	-	3	-	-	-	-	-	-		2	-
C304.5	3	1	1	-	3	-	-	-	-	-	-		2	-
Average	2.6	1.0	1.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C305.1	3	1	2	-	-	-	-	-	-	3	-	-	2	-
C305.2	3	1	3	-	-	-	-	-	-	3	-	-	2	-
C305.3	2	1	2	-	-	-	-	-	-	3	-	-	2	-
C305.4	3	1	2	-	-	-	-	-	-	2	-	-	2	-
C305.5	3	1	1	-	-	-	-	-	-	3	-	-	2	-
Average	2.8	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C306.1	3	-	3	2	-	2	3	3	-	-	-	-	-	2
C306.2	3	-	2	1	-	2	2	2	-	-	-	-	-	2
C306.3	2	-	3	1	-	3	2	2	-	-	-	-	-	1
C306.4	2	-	3	2	-	3	3	3	-	-	-	-	-	2
C306.5	2	-	3	1	-	3	3	3	-	-	-	-	-	1
Average	2.4	0.0	2.8	1.4	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C307.1	3	3	2	-	3	-	-	-	-	-	-	-	2	-
C307.2	2	2	3	-	2	-	-	-	-	-	-	-	2	-
C307.3	2	3	3	-	2	-	-	-	-	-	-	-	2	-
C307.4	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C307.5	3	2	2	-	3	-	-	-	-	-	-	-	2	-
Average	2.6	2.4	2.6	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C308.1	3	1	2	-	2	-	-	-	-	-	-	-	3	0
C308.2	2	1	2	-	3	-	-	-	-	-	-	-	2	0
C308.3	3	1	2	-	3	-	-	-	-	-	-	-	2	0
C308.4	2	1	2	-	2	-	-	-	-	-	-	-	2	0
C308.5	3	2	2	-	2	-	-	-	-	-	-	-	1	0
Average	2.6	1.2	2.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C309.1	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C309.2	2	1	1	-	3	-	-	-	-	-	-	-	2	-
C309.3	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C309.4	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C309.5	3	1	1	-	2	-	-	-	-	-	-	-	2	-
Average	2.8	1.0	1.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C310.1	3	3	3	3	-	2	-	-	-	-	-	3	2	-
C310.2	3	2	3	2	-	2	-	-	-	-	-	3	2	-
C310.3	2	3	3	3	-	2	-	-	-	-	-	3	2	-
C310.4	2	3	2	2	-	2	-	-	-	-	-	3	2	-
C310.5	3	3	3	3	-	2	-	-	-	-	-	3	2	-
Average	2.6	2.8	2.8	2.6	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C311.1	3	3	3	3	-	-	-	-	-	-	-	-	-	2
C311.2	3	3	3	3	-	-	-	-	-	-	-	-	-	2
C311.3	2	3	3	2	-	-	-	-	-	-	-	-	-	2
C311.4	3	3	2	3	-	-	-	-	-	-	-	-	-	2
C311.5	3	2	3	3	-	-	-	-	-	-	-	-	-	2
Average	2.8	2.8	2.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C312.1	3	-	3	2	-	2	3	3	-	-	-	-	-	2
C312.2	3	-	2	1	-	2	2	2	-	-	-	-	-	2
C312.3	2	-	3	1	-	3	2	2	-	-	-	-	-	1
C312.4	2	-	3	2	-	3	3	3	-	-	-	-	-	2
C312.5	2	-	3	1	-	3	3	3	-	-	-	-	-	1
Average	2.4	0.0	2.8	1.4	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C313.1	3	2	3	3	0	2	0	0	0	0	0	0	2	0
C313.2	3	3	3	3	0	2	0	0	0	0	0	0	3	0
C313.3	3	3	3	3	0	2	0	0	0	0	0	0	2	0
C313.4	3	3	2	1	0	1	0	0	0	0	0	0	1	0
C313.5	3	2	2	3	0	1	0	0	0	0	0	0	1	0
Average	3.0	2.6	2.6	2.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C317.1	3	3	3	2	3	-	-	-	-	-	-	-	3	-
C317.2	3	3	3	2	3	-	-	-	-	-	-	-	3	-
C317.3	3	3	3	2	3	-	-	-	-	-	-	-	3	-
C317.4	3	3	3	2	3	-	-	-	-	-	-	-	3	-
C317.5	3	3	3	2	3	-	-	-	-	-	-	-	3	-
Average	3.0	3.0	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C318.1	3	3	3	1	1	3	3	0	0	0	0	0	2	1
C318.2	3	3	3	1	2	3	3	0	0	0	0	0	2	1
C318.3	3	3	3	1	3	3	3	0	0	0	0	0	2	3
C318.4	3	3	3	1	3	3	3	0	0	0	0	0	2	2
C318.5	3	3	3	1	3	3	3	0	0	0	0	0	3	2
Average	3.0	3.0	3.0	1.0	2.4	3.0	3.0	0.0	0.0	0.0	0.0	0.0	2.2	1.8

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C319.1	-	-	-	-	-	-	-	-	3	2	1	2	-	-
C319.2	-	-	-	-	-	-	-	-	3	3	1	2	-	-
C319.3	-	-	-	-	-	-	-	-	2	3	2	2	-	-
C319.4	-	-	-	-	-	-	-	-	2	3	1	1	-	-
C319.5	-	-	-	-	-	-	-	-	3	2	2	1	-	-
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	1.4	1.6	0.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1	-	-	-	-	-	-	-	2	2	3	3	2	-	1
C401.2	-	-	-	-	-	-	-	2	2	3	3	2	-	2
C401.3	-	-	-	-	-	-	-	2	2	3	3	2	-	2
C401.4	-	-	-	-	-	-	-	2	2	3	3	2	-	2
C401.5	-	-	-	-	-	-	-	2	2	3	3	2	-	2
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.8	2.8	1.8	0.0	1.8

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C402.1	3	3	3	2	-	2	-	-	-	-	-	-	2	-
C402.2	3	2	2	2	-	1	-	-	-	-	-	-	2	-
C402.3	1	1	3	1	-	2	-	-	-	-	-	-	2	-
C402.4	2	2	2	1	-	1	-	-	-	-	-	-	2	-
C402.5	3	3	3	2	-	2	-	-	-	-	-	-	2	-
Average	2.4	2.2	2.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C403.1	3	3	3	3	-	3	-	-	-	-	-	2	-	2
C403.2	2	2	3	2	-	2	-	-	-	-	-	2	-	2
C403.3	2	3	3	3	-	2	-	-	-	-	-	2	-	2
C403.4	2	3	2	2	-	2	-	-	-	-	-	2	-	1
C403.5	3	3	2	2	-	2	-	-	-	-	-	2	-	2
Average	2.4	2.8	2.6	2.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.8

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C407.1	3	3	3	2	3	2	-	-	-	-	-	-	3	0
C407.2	2	3	3	3	3	2	-	-	-	-	-	-	2	0
C407.3	3	3	3	2	3	2	-	-	-	-	-	-	2	0
C407.4	2	3	3	2	3	1	-	-	-	-	-	-	2	0
C407.5	2	3	2	2	2	2	-	-	-	-	-	-	1	0
Average	2.4	3.0	2.8	2.2	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C408.1	3	3	3	2	0	3	0	0	0	0	0	0	3	0
C408.2	3	3	3	2	0	3	0	0	0	0	0	0	2	0
C408.3	3	3	3	2	0	3	0	0	0	0	0	0	2	0
C408.4	3	3	3	2	0	3	0	0	0	0	0	0	2	0
C408.5	3	2	3	2	0	2	0	0	0	0	0	0	1	0
Average	3.0	2.8	3.0	2.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C409.1	3	3	3	3	-	-	-	-	-	-	-	-	2	-
C409.2	3	3	3	3	-	-	-	-	-	-	-	-	2	-
C409.3	2	3	3	2	-	-	-	-	-	-	-	-	1	-
C409.4	3	3	2	3	-	-	-	-	-	-	-	-	2	-
C409.5	3	2	3	3	-	-	-	-	-	-	-	-	2	-
Average	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410.1	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C410.2	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C410.3	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C410.4	3	2	2	-	-	-	-	-	-	-	-	-	2	-
C410.5	2	3	3	-	-	-	-	-	-	-	-	-	2	-
Average	2.8	2.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C411.1	3	3	3	3	3	2	2	1	3	3	3	2	3	2
C411.2	3	3	3	3	2	2	2	1	3	3	3	2	3	2
C411.3	3	2	3	3	2	2	3	1	3	3	3	2	3	2
C411.4	3	3	2	3	3	2	2	1	3	2	3	1	3	2
C411.5	3	2	3	2	3	2	1	1	2	2	2	2	3	2
Average	3.0	2.6	2.8	3.0	3.0	2.0	2.0	1.0	3.0	3.0	3.0	2.0	3.0	2.0

3.1.3. Program level Course-PO matrix of all courses INCLUDING first year courses

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	2.0	1.8	0.0	0.0
C102	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0
C103	3.0	2.8	2.6	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.0	0.0	0.0
C104	3.0	2.0	2.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	1.0	0.0	0.0
C105	3.0	2.0	1.6	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
C106	3.0	2.6	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
C107	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	2.0
C108	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
C109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	1.8	2.0	0.0	0.0
C110	2.8	3.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
C111	3.0	2.8	1.8	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	2.0	0.0	0.0
C112	2.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
C113	3.0	2.0	2.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
C114	3.0	2.8	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
C115	2.6	2.8	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	1.4	1.6	0.0
C116	2.6	2.6	3.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
C117	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	3.0	0.0
C201	3.0	3.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.8
C202	2.4	0.0	2.8	1.4	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6
C203	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.4	0.0
C204	1.6	2.2	2.8	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

C310	2.6	2.8	2.8	2.6	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0
C311	2.8	2.8	2.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
C312	2.4	0.0	2.8	1.4	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6
C313	3.0	2.6	2.6	2.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
C314	2.6	0.0	2.8	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
C315	2.2	1.8	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
C316	2.4	0.0	2.8	1.4	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6
C317	3.0	3.0	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
C318	3.0	3.0	3.0	1.0	2.4	3.0	3.0	0.0	0.0	0.0	0.0	0.0	2.2	1.8
C319	0	0	0	0	0	0	0	0	2.6	2.6	1.4	1.6	0	0
C401	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.8	2.8	1.8	0.0	1.8
C402	2.4	2.2	2.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
C403	2.4	2.8	2.6	2.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.8
C404	2.4	0.0	3.0	1.3	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6
C405	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	0.0	0.0	2.0
C406	2.6	2.8	3.0	2.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
C407	2.4	3.0	2.8	2.2	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
C408	3.0	2.8	3.0	2.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
C409	2.8	2.8	2.8	2.8	0	0	0	0	0	0	0	0	1.8	0
C410	2.8	2.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
C411	3.0	2.6	2.8	3.0	3.0	2.0	2.0	1.0	3.0	3.0	3.0	2.0	3.0	2.0