

**Department of Education**  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**

**B.Ed. Spl. Ed. (V.I.) SYLLABUS -CBCS**

**Mapping scale, Mapping Matrices, Attainment of COs, POs and PSOs**

**A: Mapping scale:**

**Table 1: Scale of mapping between COs and POs/PSOs**

Scale	
1	<i>Low</i> corealtation between the contents of course and the particular Program outcome/ Program specific outcome
2	<i>Medium</i> corealtation between the contents of course and the particular Program outcome/ Program specific outcome
3	<i>High</i> corealtation between the contents of course and the particular Program outcome/ Program specific outcome

**B: Mapping matrices:**

**SEMESTER-1**

**CO-PO Mapping matrices**

**Table 2.BSE-101: CO-PO matrix for the course BSE-101**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-101.1	3	1	1	2	2	1	2	2	2
BSE-101.2	3	2	1	2	2	2	2	2	2
BSE-101.3	3	1	3	2	2	2	2	2	2
BSE-101.4	3	3	2	1	2	2	2	2	2
BSE-101.5	3	1	3	2	2	1	2	2	2
BSE-101.6	3	3	2	2	2	1	2	2	2
BSE-101.7	3	3	2	2	2	2	2	2	2
BSE-101.8	3	2	2	2	2	2	2	2	2
BSE-101.9	3	2	2	2	2	1	2	2	2
<b>Average</b>	3	2	2	1.89	2	1.56	2	2	2

**Table 2.BSE-102: CO-PO matrix for the course BSE-102**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
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BSE-102.1	3	2	3	1	2	2	2	2	2
BSE-102.2	3	2	2	2	2	2	2	2	2
BSE-102.3	3	2	2	2	3	2	2	2	3
BSE-102.4	3	3	3	2	3	2	2	3	3
BSE-102.5	3	3	2	2	3	2	2	3	3
BSE-102.6	3	3	3	2	3	2	2	2	2
BSE-102.7	3	3	3	3	3	2	2	2	2
BSE-102.8	3	3	3	3	3	2	3	2	2
BSE-102.9	3	3	3	3	2	2	3	2	2
<b>Average</b>	3	2.67	2.67	2.22	2.67	2	2.22	2.22	2.33

**Table 2.BSE-103: CO-PO matrix for the course BSE-103**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-103.1	3	3	2	2	2	2	2	2	2
BSE-103.2	3	3	2	2	2	2	3	2	3
BSE-103.3	3	2	3	2	2	2	2	1	3
BSE-103.4	3	3	2	2	2	2	3	1	3
BSE-103.5	3	2	2	2	3	2	3	2	3
BSE-103.6	3	3	3	2	3	2	2	1	3
BSE-103.7	3	2	3	2	3	2	2	2	2
BSE-103.8	3	3	2	2	2	2	1	2	2
BSE-103.9	3	3	2	2	2	2	1	1	2
<b>Average</b>	3	2.67	2.33	2	2.33	2	2.11	1.56	2.56

**Table 2.BSE-104: CO-PO matrix for the course BSE-104**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-104.1	3	2	2	2	2	2	2	2	2
BSE-104.2	3	3	3	2	2	2	2	2	3
BSE-104.3	3	3	2	2	2	2	2	2	2
BSE-104.4	3	2	3	2	2	2	3	2	3
BSE-104.5	3	2	2	2	2	2	3	3	2
BSE-104.6	3	2	3	2	3	2	2	1	2
BSE-104.7	3	3	3	2	3	2	2	2	3
BSE-104.8	3	3	2	2	3	2	2	1	3
BSE-104.9	3	2	2	2	3	2	3	2	2
<b>Average</b>	3	2.44	2.44	2	2.44	2	2.33	1.89	2.44

**Table 2.BSE-105: CO-PO matrix for the course BSE-105**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-105.1	3	2	2	2	2	2	2	2	2
BSE-105.2	3	2	2	3	2	2	2	2	3
BSE-105.3	3	2	3	2	3	2	2	1	2

BSE-105.4	3	3	3	2	3	2	1	2	2
BSE-105.5	3	3	2	2	3	2	1	1	2
BSE-105.6	3	3	2	2	3	2	2	1	2
BSE-105.7	3	3	3	2	3	2	1	1	3
BSE-105.8	3	3	3	3	3	2	2	2	3
BSE-105.9	3	3	3	3	3	2	1	2	3
<b>Average</b>	3	2.67	2.56	2.33	2.78	2	1.56	1.56	2.44

**Table 2.BSE-106: CO-PO matrix for the course BSE-106**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-106.1	3	3	3	2	3	2	2	2	3
BSE-106.2	3	3	3	3	3	2	2	2	3
BSE-106.3	3	2	3	2	3	2	2	2	3
<b>Average</b>	3	2.67	3	2.33	3	2	2	2	3

**CO-PSO Mapping matrices**

**Table 3.BSE-101: CO-PSO matrix for the course BSE-101**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-101.1	3	2	2	1	1	3	3	2
BSE-101.2	3	3	2	1	1	3	2	2
BSE-101.3	3	3	2	2	2	3	2	3
BSE-101.4	3	2	2	1	2	3	2	3
BSE-101.5	3	2	2	2	2	2	2	2
BSE-101.6	2	0	2	3	3	3	3	3
BSE-101.7	3	1	1	1	1	1	3	2
BSE-101.8	1	3	3	2	2	2	2	2
BSE-101.9	1	2	2	3	1	2	2	2
<b>Average</b>	2.44	2	2	1.78	1.67	2.44	2.33	2.33

**Table 3.BSE-102: CO-PSO matrix for the course BSE-102**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-102.1	3	2	2	2	2	2	2	2
BSE-102.2	3	2	3	1	2	2	2	2
BSE-102.3	3	2	2	3	2	2	3	2
BSE-102.4	3	3	2	3	1	2	3	2
BSE-102.5	3	2	2	2	2	1	3	1
BSE-102.6	3	2	2	3	2	2	1	2
BSE-102.7	3	2	2	3	3	3	3	3
BSE-102.8	3	3	3	3	3	3	2	3
BSE-102.9	3	3	3	3	3	3	2	3
<b>Average</b>	3	2.33	2.33	2.56	2.22	2.22	2.33	2.22

**Table 3.BSE-103: CO-PSO matrix for the course BSE-103**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-103.1	3	3	3	2	2	2	3	3
BSE-103.2	1	3	3	2	3	3	3	3
BSE-103.3	1	2	3	2	2	2	2	2
BSE-103.4	2	2	2	3	2	3	3	2
BSE-103.5	3	3	3	2	2	2	3	2
BSE-103.6	2	1	2	3	1	2	2	1
BSE-103.7	1	1	2	3	3	2	1	1
BSE-103.8	3	3	2	1	1	2	2	1
BSE-103.9	3	2	1	1	2	2	1	1
<b>Average</b>	2.11	2.22	2.33	2.11	2	2.22	2.22	1.78

**Table 3.BSE-104: CO-PSO matrix for the course BSE-104**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-104.1	3	3	2	1	2	1	1	1
BSE-104.2	2	2	2	3	2	3	3	3
BSE-104.3	3	2	3	2	2	2	1	1
BSE-104.4	1	3	2	3	2	3	3	3
BSE-104.5	3	2	2	2	2	1	2	1
BSE-104.6	1	3	1	2	1	3	2	2
BSE-104.7	3	2	3	2	1	1	2	2
BSE-104.8	1	3	3	2	3	3	2	2
BSE-104.9	1	2	3	2	2	3	2	1
<b>Average</b>	2	2.44	2.33	2.11	1.89	2.22	2	1.78

**Table 3.BSE-105: CO-PSO matrix for the course BSE-105**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-105.1	3	3	2	2	2	1	1	2
BSE-105.2	2	3	2	2	2	1	1	2
BSE-105.3	2	3	2	3	2	3	2	2
BSE-105.4	2	3	2	3	2	3	2	1
BSE-105.5	3	2	2	2	1	1	3	1
BSE-105.6	1	3	1	2	3	3	3	2
BSE-105.7	1	3	2	1	2	2	3	3
BSE-105.8	3	2	2	1	3	3	2	3
BSE-105.9	2	3	3	3	2	2	3	3
<b>Average</b>	2.11	2.78	2	2.11	2.11	2.11	2.22	2.11

**Table 3.BSE-106: CO-PSO matrix for the course BSE-106**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-106.1	2	1	3	3	3	3	3	2
BSE-106.2	3	2	1	1	1	1	2	2
BSE-106.3	2	2	3	2	3	3	1	3
<b>Average</b>	2.33	1.67	2.33	2	2.33	2.33	2	2.33

## SEMESTER-II

### CO-PO Mapping matrices

**Table 2.BSE-201: CO-PO matrix for the course BSE-201**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-201.1	3	2	2	2	2	2	2	1	2
BSE-201.2	3	2	2	2	2	2	2	2	2
BSE-201.3	3	2	2	2	2	2	2	3	2
BSE-201.4	3	3	3	2	2	2	2	2	2
BSE-201.5	3	2	2	2	3	2	2	2	2
BSE-201.6	3	2	3	2	2	2	1	2	2
BSE-201.7	3	3	3	2	2	2	1	3	3
BSE-201.8	3	2	3	3	3	2	3	2	3
BSE-201.9	3	2	3	3	3	2	2	3	3
<b>Average</b>	3	2.22	2.56	2.22	2.33	2	1.89	2.22	2.33

**Table 2.BSE-202&203AI: CO-PO matrix for the course BSE-202&203AI**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-202&203AI.1.	3	2	2	2	3	2	2	2	2
BSE-202&203AI.2.	3	2	2	2	3	2	2	2	3
BSE-202&203AI.3.	3	2	2	2	3	2	2	2	2
BSE-202&203AI.4.	3	1	3	2	3	2	2	2	3
BSE-202&203AI.5.	3	1	3	3	3	2	2	2	3
BSE-202&203AI.6.	3	2	3	2	3	2	3	2	3
BSE-202&203AI.7.	3	3	2	2	3	2	2	2	2
BSE-202&203AI.8.	3	3	3	2	3	2	3	2	3
BSE-202&203AI.9.	3	2	3	3	3	2	3	2	3
<b>Average</b>	3	2	2.56	2.22	3	2	2.33	2	2.67

**Table 2.BSE-202&203BI: CO-PO matrix for the course BSE-202&203BI**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-202&203BI.1.	3	2	2	2	3	2	2	2	2
BSE-202&203BI.2.	3	2	2	2	3	2	2	2	3
BSE-202&203BI.3.	3	2	2	2	3	2	2	2	2
BSE-202&203BI.4.	3	1	3	2	3	2	2	2	3
BSE-202&203BI.5.	3	1	3	3	3	2	2	2	3
BSE-202&203BI.6.	3	2	3	2	3	2	3	2	3
BSE-202&203BI.7.	3	3	2	2	3	2	2	2	2
BSE-202&203BI.8.	3	3	3	2	3	2	3	2	3
BSE-202&203BI.9.	3	2	3	3	3	2	3	2	3
<b>Average</b>	3	2	2.56	2.22	3	2	2.33	2	2.67

**Table 2.BSE-202&203BII: CO-PO matrix for the course BSE-202&203BII**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
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BSE-202&203BII.1.	3	2	2	2	3	2	2	2	2
BSE-202&203BII.2.	3	2	2	2	3	2	2	2	3
BSE-202&203BII.3.	3	2	2	2	2	2	2	2	2
BSE-202&203BII.4.	3	3	2	2	3	2	2	2	3
BSE-202&203BII.5.	3	3	2	3	3	2	2	2	3
BSE-202&203BII.6.	3	2	3	2	3	2	3	2	3
BSE-202&203BII.7.	3	3	3	2	3	2	2	2	2
BSE-202&203BII.8.	3	3	2	2	3	2	3	2	3
BSE-202&203BII.9.	3	2	3	3	3	2	3	2	3
<b>Average</b>	3	2.44	2.33	2.22	2.89	2	2.33	2	2.67

**Table 2.BSE-202&203CI: CO-PO matrix for the course BSE-202&203CI**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-202&203CI.1.	3	2	2	2	3	2	2	2	2
BSE-202&203CI.2.	3	2	2	2	3	2	2	2	3
BSE-202&203CI.3.	3	2	2	2	2	2	2	2	2
BSE-202&203CI.4.	3	2	2	2	3	2	2	2	3
BSE-202&203CI.5.	3	2	2	3	3	2	2	2	3
BSE-202&203CI.6.	3	2	3	2	3	2	3	2	3
BSE-202&203CI.7.	3	2	3	2	3	2	2	2	2
BSE-202&203CI.8.	3	2	2	2	3	2	3	2	3
BSE-202&203CI.9.	3	2	3	3	3	2	3	2	3
<b>Average</b>	3	2	2.33	2.22	2.89	2	2.33	2	2.67

**Table 2.BSE-202&203CII: CO-PO matrix for the course BSE-202&203CII**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-202&203CII.1.	3	2	2	2	2	2	2	2	2
BSE-202&203CII.2.	3	2	2	2	2	2	2	2	2
BSE-202&203CII.3.	2	2	2	1	3	2	2	2	2
BSE-202&203CII.4.	2	2	3	2	3	2	2	2	3
BSE-202&203CII.5.	3	2	2	1	2	1	2	2	2
BSE-202&203CII.6.	3	3	3	2	3	1	2	2	3
BSE-202&203CII.7.	2	2	3	2	3	1	2	2	3
BSE-202&203CII.8.	3	3	3	2	3	2	2	2	3
BSE-202&203CII.9.	3	2	3	3	3	2	2	2	3
<b>Average</b>	2.67	2.22	2.56	1.89	2.67	1.67	2	2	2.56

**Table 2.BSE-204: CO-PO matrix for the course BSE-204**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-204.1	3	2	2	2	2	2	2	2	3
BSE-204.2	3	2	2	2	2	2	2	2	2
BSE-204.3	3	2	2	2	2	2	3	2	2

BSE-204.4	3	3	2	1	2	1	1	2	2
BSE-204.5	2	3	2	1	2	1	3	2	2
BSE-204.6	2	2	3	2	3	2	2	3	3
BSE-204.7	3	3	3	2	2	3	2	3	2
BSE-204.8	3	3	2	2	2	1	2	3	3
BSE-204.9	3	2	2	3	3	3	3	2	3
<b>Average</b>	2.78	2.44	2.22	1.89	2.22	1.89	2.22	2.33	2.44

**Table 2.BSE-205: CO-PO matrix for the course BSE-205**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-205.1	3	2	2	2	3	2	2	2	2
BSE-205.2	3	2	2	2	3	2	2	2	2
BSE-205.3	3	2	3	2	3	2	2	1	3
BSE-205.4	3	2	3	2	3	2	1	2	3
BSE-205.5	3	1	3	3	3	2	2	1	3
BSE-205.6	3	2	3	2	3	2	2	1	3
BSE-205.7	3	2	3	3	3	3	2	2	2
BSE-205.8	3	3	2	2	3	3	1	2	2
BSE-205.9	3	3	2	2	3	2	2	2	2
<b>Average</b>	3	2.11	2.56	2.22	3	2.22	1.78	1.67	2.44

**Table 2.BSE-206: CO-PO matrix for the course BSE-206**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-206.1	3	1	3	2	3	2	2	1	3
BSE-206.2	3	1	3	2	3	2	2	1	3
BSE-206.3	3	1	3	2	3	2	2	1	3
<b>Average</b>	3	1	3	2	3	2	2	1	3

### CO-PSO Mapping matrices

**Table 3.BSE-201: CO-PSO matrix for the course BSE-201**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-201.1	3	2	2	3	3	3	2	2
BSE-201.2	3	3	2	1	2	3	2	2
BSE-201.3	2	3	1	3	2	2	3	1
BSE-201.4	2	3	2	3	2	2	2	1
BSE-201.5	2	2	3	1	1	3	2	3
BSE-201.6	2	2	1	2	2	1	1	1
BSE-201.7	2	1	3	2	2	1	1	1
BSE-201.8	1	2	2	3	1	2	2	3
BSE-201.9	2	1	1	2	2	1	2	3
<b>Average</b>	2.11	2.11	1.89	2.22	1.89	2	1.89	1.89

**Table 3.BSE-202&203AI: CO-PSO matrix for the course BSE-202&203AI**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-202&203AI.1	2	2	3	1	2	1	2	2
BSE-202&203AI.2	3	3	3	1	3	1	2	2
BSE-202&203AI.3	2	2	1	1	1	1	1	2
BSE-202&203AI.4	2	2	3	3	1	2	1	2
BSE-202&203AI.5	1	3	3	3	3	3	1	1
BSE-202&203AI.6	3	2	3	3	3	3	3	3
BSE-202&203AI.7	3	2	1	2	1	3	3	2
BSE-202&203AI.8	1	1	2	1	1	1	2	3
BSE-202&203AI.9	2	2	1	1	3	3	1	3
<b>Average</b>	2.11	2.11	2.22	1.78	2	2	1.78	2.22

**Table 3.BSE-202&203BI: CO-PSO matrix for the course BSE-202&203BI**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-202&203BI.1	1	2	2	2	2	1	2	2
BSE-202&203BI.2	3	2	1	3	3	1	2	2
BSE-202&203BI.3	2	2	3	2	3	1	2	2
BSE-202&203BI.4	1	2	3	2	2	1	1	2
BSE-202&203BI.5	1	3	3	2	1	3	1	2
BSE-202&203BI.6	1	3	3	3	1	3	3	3
BSE-202&203BI.7	3	3	1	3	3	1	1	2
BSE-202&203BI.8	3	2	2	2	3	3	3	1
BSE-202&203BI.9	3	3	1	2	2	3	2	3
<b>Average</b>	2	2.44	2.11	2.33	2.22	1.89	1.89	2.11

**Table 3.BSE-202&203BII: CO-PSO matrix for the course BSE-202&203BII**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-202&203CI.1	2	1	1	3	3	2	2	2
BSE-202&203CI.2	2	1	1	1	1	2	2	2
BSE-202&203CI.3	3	3	3	3	3	3	2	2
BSE-202&203CI.4	2	3	3	3	1	2	2	1
BSE-202&203CI.5	3	1	3	3	3	2	1	1
BSE-202&203CI.6	1	3	3	3	1	2	1	2
BSE-202&203CI.7	1	3	1	1	3	2	1	3
BSE-202&203CI.8	3	1	3	2	2	3	1	2
BSE-202&203CI.9	2	2	1	1	2	2	1	1
<b>Average</b>	2.11	2	2.11	2.22	2.11	2.22	1.44	1.78

**Table 3.BSE-202&203CI: CO-PSO matrix for the course BSE-202&203CI**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-202&203BII.1	3	3	3	2	2	2	1	1
BSE-202&203BII.2	2	3	3	3	2	3	1	1
BSE-202&203BII.3	2	2	3	3	3	2	2	1
BSE-202&203BII.4	2	3	3	2	2	2	3	2
BSE-202&203BII.5	2	2	3	2	2	2	3	2
BSE-202&203BII.6	1	1	3	2	3	3	2	2
BSE-202&203BII.7	1	2	3	2	3	2	1	3
BSE-202&203BII.8	1	2	3	2	2	3	3	2
BSE-202&203BII.9	3	2	3	2	2	3	2	1



<b>Average</b>	1.89	2.22	3	2.22	2.33	2.44	2	1.67
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**Table 3.BSE-202&203CII: CO-PSO matrix for the course BSE-202&203CII**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-202&203CII.1	1	2	2	3	1	1	2	2
BSE-202&203CII.2	3	2	3	2	3	2	2	2
BSE-202&203CII.3	1	3	2	1	1	1	2	2
BSE-202&203CII.4	2	3	3	3	3	2	2	2
BSE-202&203CII.5	1	2	2	1	3	1	1	1
BSE-202&203CII.6	2	3	3	1	1	3	1	1
BSE-202&203CII.7	2	1	3	3	3	1	2	3
BSE-202&203CII.8	2	2	2	1	1	2	3	3
BSE-202&203CII.9	1	2	1	3	3	1	2	3
<b>Average</b>	1.67	2.22	2.33	2	2.11	1.56	1.89	2.11

**Table 3.BSE-204: CO-PSO matrix for the course BSE-204**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-204.1	3	1	2	3	3	2	2	2
BSE-204.2	3	1	2	3	3	2	2	1
BSE-204.3	1	3	2	0	1	3	2	2
BSE-204.4	3	1	2	3	1	1	3	1
BSE-204.5	3	3	3	3	2	2	2	3
BSE-204.6	1	1	3	3	1	3	2	3
BSE-204.7	3	2	3	1	3	1	3	1
BSE-204.8	3	2	3	2	3	1	1	2
BSE-204.9	1	2	2	1	3	3	1	1
<b>Average</b>	2.33	1.78	2.44	2.11	2.22	2	2	1.78

**Table 3.BSE-205: CO-PSO matrix for the course BSE-205**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-205.1	2	2	2	2	1	1	2	2
BSE-205.2	2	2	2	2	1	2	2	2
BSE-205.3	2	3	3	3	3	3	2	2
BSE-205.4	2	2	2	2	1	3	2	1
BSE-205.5	2	2	3	3	3	3	2	3
BSE-205.6	2	3	1	3	2	2	2	3
BSE-205.7	3	2	3	3	2	2	1	1
BSE-205.8	2	2	1	1	3	3	2	2
BSE-205.9	2	3	2	2	1	2	1	2
<b>Average</b>	2.11	2.33	2.11	2.33	1.89	2.33	1.78	2

**Table 3.BSE-206: CO-PSO matrix for the course BSE-206**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-206.1	1	2	3	2	3	2	2	1
BSE-206.2	1	3	3	2	3	2	2	3

BSE-206.3	1	2	3	2	2	2	2	1
<b>Average</b>	1	2.33	3	2	2.67	2	2	1.67

### SEMESTER-III

#### CO-PO Mapping matrices

**Table 2.BSE-301: CO-PO matrix for the course BSE-301**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-301.1	3	2	2	2	2	2	2	2	2
BSE-301.2	3	2	3	2	2	2	2	2	2
BSE-301.3	3	3	3	2	3	2	3	2	3
BSE-301.4	3	3	3	3	3	2	2	2	3
BSE-301.5	3	3	3	3	3	2	2	2	3
BSE-301.6	3	2	3	2	3	2	3	2	3
BSE-301.7	3	3	3	2	3	3	2	2	3
BSE-301.8	3	3	3	2	3	2	2	2	3
BSE-301.9	3	3	3	2	3	3	2	2	3
<b>Average</b>	3	2.67	2.89	2.22	2.78	2.22	2.22	2	2.78

**Table 2.BSE-302: CO-PO matrix for the course BSE-302**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-302.1	3	2	3	2	2	2	2	2	3
BSE-302.2	3	2	3	2	2	2	2	1	2
BSE-302.3	3	3	2	2	2	2	2	1	2
BSE-302.4	3	2	3	2	3	2	2	1	3
BSE-302.5	3	2	2	2	3	2	2	2	3
BSE-302.6	3	2	3	3	3	2	2	2	3
BSE-302.7	3	3	3	3	3	2	2	2	3
BSE-302.8	3	3	3	3	3	2	2	1	3
BSE-302.9	3	2	3	3	3	2	2	2	3
<b>Average</b>	3	2.33	2.78	2.44	2.67	2	2	1.56	2.78

**Table 2.BSE-303: CO-PO matrix for the course BSE-303**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-303.1	3	1	2	2	2	2	2	2	2
BSE-303.2	3	2	2	2	2	2	2	2	2
BSE-303.3	2	3	2	2	3	2	2	1	2
BSE-303.4	2	1	3	2	3	2	2	2	3
BSE-303.5	2	3	2	2	2	2	2	1	2
BSE-303.6	3	3	2	2	2	2	2	1	2
BSE-303.7	3	2	2	2	3	2	2	2	2
BSE-303.8	3	2	2	2	2	2	2	1	3
BSE-303.9	3	2	3	2	3	2	2	2	3
<b>Average</b>	2.67	2.11	2.22	2	2.44	2	2	1.56	2.33

**Table 2.BSE-304: CO-PO matrix for the course BSE-304**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
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BSE-304.1	3	2	3	2	2	2	2	1	3
BSE-304.2	3	2	3	2	2	2	2	1	3
BSE-304.3	3	2	3	2	2	2	2	1	3
<b>Average</b>	3	2	3	2	2	2	2	1	3

**Table 2.BSE-305: CO-PO matrix for the course BSE-305**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-305.1	3	2	3	2	3	2	2	1	3
BSE-305.2	3	2	3	2	3	2	2	1	3
BSE-305.3	3	2	3	2	3	2	2	1	3
<b>Average</b>	3	2	3	2	3	2	2	1	3

**Table 2.BSE-306: CO-PO matrix for the course BSE-306**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-306.1	2	2	3	1	2	2	2	2	3
BSE-306.2	2	2	3	1	2	2	2	2	3
BSE-306.3	2	2	3	2	2	2	2	2	3
BSE-306.4	2	3	3	2	1	2	2	2	3
BSE-306.5	2	2	3	2	1	1	2	2	3
BSE-306.6	2	2	3	1	2	1	1	2	3
BSE-306.7	2	2	3	2	1	2	1	2	3
BSE-306.8	2	2	3	1	2	2	2	2	3
BSE-306.9	2	3	3	2	2	1	2	2	3
<b>Average</b>	2	2.22	3	1.56	1.67	1.67	1.78	2	3

**Table 2.BSE-307: CO-PO matrix for the course BSE-307**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-307.1	3	2	3	2	2	2	2	2	3
BSE-307.2	3	2	3	2	2	2	2	2	3
BSE-307.3	3	2	3	2	2	2	2	2	3
BSE-307.4	3	2	3	1	2	2	1	2	3
BSE-307.5	3	2	3	1	2	2	1	2	3
BSE-307.6	3	2	3	2	2	2	1	2	3
BSE-307.7	3	2	3	1	2	2	2	2	3
BSE-307.8	3	2	3	1	2	2	1	2	3
BSE-307.9	3	2	3	2	2	2	1	2	3
<b>Average</b>	3	2	3	1.56	2	2	1.44	2	3

### CO-PSO Mapping matrices

**Table 3.BSE-301: CO-PSO matrix for the course BSE-301**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-301.1	1	2	2	3	1	1	2	2

BSE-301.2	1	2	2	3	1	1	2	2
BSE-301.3	2	2	2	2	1	3	2	2
BSE-301.4	2	3	3	2	2	1	3	2
BSE-301.5	2	1	3	3	3	3	2	3
BSE-301.6	2	2	3	2	3	1	2	2
BSE-301.7	2	2	1	2	1	1	2	3
BSE-301.8	2	2	3	2	3	3	3	2
BSE-301.9	2	3	2	2	3	1	3	1
<b>Average</b>	1.78	2.11	2.33	2.33	2	1.67	2.33	2.11

**Table 3.BSE-302: CO-PSO matrix for the course BSE-302**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-302.1	2	3	1	1	3	3	2	2
BSE-302.2	2	0	1	1	3	1	2	2
BSE-302.3	2	1	1	1	3	1	2	2
BSE-302.4	2	3	2	3	1	1	2	1
BSE-302.5	2	1	2	1	1	3	2	2
BSE-302.6	2	3	2	3	2	3	1	2
BSE-302.7	2	3	3	3	3	3	2	1
BSE-302.8	1	3	3	2	3	3	1	3
BSE-302.9	2	3	3	1	3	3	2	3
<b>Average</b>	1.89	2.22	2	1.78	2.44	2.33	1.78	2

**Table 3.BSE-303: CO-PSO matrix for the course BSE-303**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-303.1	3	1	2	3	3	1	2	1
BSE-303.2	3	3	2	3	1	1	2	1
BSE-303.3	3	3	2	1	3	1	2	1
BSE-303.4	1	3	3	1	1	2	2	1
BSE-303.5	2	3	2	2	3	2	2	1
BSE-303.6	2	1	2	2	1	1	2	1
BSE-303.7	2	1	2	3	1	1	2	1
BSE-303.8	3	2	3	3	3	3	1	1
BSE-303.9	2	1	2	2	2	2	2	1
<b>Average</b>	2.33	2	2.22	2.22	2	1.56	1.89	1

**Table 3.BSE-304: CO-PSO matrix for the course BSE-304**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-304.1	1	2	3	2	2	3	2	1
BSE-304.2	1	2	3	2	3	3	2	1
BSE-304.3	1	2	3	2	3	3	2	1
<b>Average</b>	1	2	3	2	2.67	3	2	1

**Table 3.BSE-305: CO-PSO matrix for the course BSE-305**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-305.1	1	2	3	3	1	3	2	2
BSE-305.2	1	2	3	3	3	3	2	2
BSE-305.3	1	2	3	3	3	3	2	2
<b>Average</b>	1	2	3	3	2.33	3	2	2

**Table 3.BSE-306: CO-PSO matrix for the course BSE-306**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-306.1	3	3	2	2	1	1	1	2
BSE-306.2	1	3	3	3	3	3	3	2
BSE-306.3	3	3	2	3	1	1	1	3
BSE-306.4	1	2	2	3	3	3	1	1
BSE-306.5	1	1	2	3	3	1	1	2
BSE-306.6	2	3	2	1	1	1	1	1
BSE-306.7	2	3	3	2	3	3	1	3
BSE-306.8	3	3	3	2	1	2	1	2
BSE-306.9	2	1	2	2	3	3	1	1
<b>Average</b>	2	2.44	2.33	2.33	2.11	2	1.22	1.89

**Table 3.BSE-307: CO-PSO matrix for the course BSE-307**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-307.1	2	2	1	2	1	1	1	1
BSE-307.2	2	2	2	2	1	3	1	1
BSE-307.3	2	3	2	2	2	1	1	1
BSE-307.4	2	3	3	3	2	3	1	1
BSE-307.5	2	2	3	3	2	3	1	1
BSE-307.6	2	3	3	3	1	3	1	1
BSE-307.7	2	3	2	2	3	3	1	1
BSE-307.8	2	2	2	2	1	2	1	1
BSE-307.9	2	1	2	2	3	1	1	1
<b>Average</b>	2	2.33	2.22	2.33	1.78	2.22	1	1

## SEMESTER-IV

### CO-PO Mapping matrices

**Table 2.BSE-401A: CO-PO matrix for the course BSE-401A**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-401A.1	3	2	2	1	2	2	2	2	1
BSE-401A.2	3	2	2	1	2	2	2	2	1
BSE-401A.3	3	2	2	2	2	1	2	1	1
BSE-401A.4	3	2	2	2	2	1	2	1	2
BSE-401A.5	3	2	3	2	2	2	2	2	2
BSE-401A.6	3	2	3	2	2	2	2	1	1
BSE-401A.7	3	3	2	1	2	1	2	2	1
BSE-401A.8	3	2	2	2	2	1	2	2	2
BSE-401A.9	3	3	2	1	2	2	2	1	2
<b>Average</b>	3	2.22	2.22	1.56	2	1.56	2	1.56	1.44

**Table 2.BSE-401B: CO-PO matrix for the course BSE-401B**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-401B.1	3	2	2	2	2	2	2	2	1
BSE-401B.2	3	2	2	2	2	2	2	2	1
BSE-401B.3	3	2	2	2	2	2	2	2	2
BSE-401B.4	2	2	2	2	3	2	1	1	2
BSE-401B.5	2	2	2	2	2	2	1	1	2
BSE-401B.6	2	2	2	3	6	2	2	2	3
BSE-401B.7	3	2	3	3	3	2	1	1	3
BSE-401B.8	3	2	2	2	2	2	2	2	2
BSE-401B.9	2	2	2	2	2	2	2	2	2
<b>Average</b>	2.56	2	2.11	2.22	2.67	2	1.67	1.67	2

**Table 2.BSE-401C: CO-PO matrix for the course BSE-401C**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-401C.1	3	2	2	2	2	2	2	2	2
BSE-401C.2	3	2	3	2	2	2	2	2	2
BSE-401C.3	3	2	2	2	3	2	2	2	2
BSE-401C.4	3	2	3	2	3	2	2	2	3
BSE-401C.5	3	2	3	2	2	1	2	2	3
BSE-401C.6	3	2	2	3	2	1	3	2	3
BSE-401C.7	3	2	2	3	2	2	3	2	3
BSE-401C.8	3	2	3	3	2	2	3	2	3
BSE-401C.9	3	2	3	2	2	2	3	2	3
<b>Average</b>	3	2	2.56	2.33	2.22	1.78	2.44	2	2.67

**Table 2.BSE-401D: CO-PO matrix for the course BSE-401D**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

BSE-401D.1	3	2	2	2	2	2	2	2	3
BSE-401D.2	3	2	2	2	2	2	2	2	2
BSE-401D.3	3	3	2	2	2	2	3	2	3
BSE-401D.4	3	3	2	2	2	3	3	1	3
BSE-401D.5	3	2	2	2	2	2	2	1	2
BSE-401D.6	3	2	2	2	2	2	3	2	2
BSE-401D.7	3	2	3	3	3	2	3	1	3
BSE-401D.8	3	2	3	3	3	3	2	1	3
BSE-401D.9	3	2	2	2	2	3	2	2	2
<b>Average</b>	3	2.22	2.22	2.22	2.22	2.33	2.44	1.56	2.56

**Table 2.BSE-401E: CO-PO matrix for the course BSE-401E**

<b>COs</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>
BSE-401E.1	3	2	3	2	2	2	2	1	2
BSE-401E.2	3	2	3	2	2	2	3	2	3
BSE-401E.3	3	2	3	2	3	2	3	1	3
BSE-401E.4	3	1	2	2	2	1	2	2	2
BSE-401E.5	3	1	3	2	2	1	2	2	3
BSE-401E.6	2	2	2	3	3	2	2	1	3
BSE-401E.7	3	2	3	2	2	1	2	2	3
BSE-401E.8	3	2	3	3	2	2	3	1	3
BSE-401E.9	2	2	3	2	3	2	2	2	3
<b>Average</b>	2.78	1.78	2.78	2.22	2.33	1.67	2.33	1.56	2.78

**Table 2.BSE-401F: CO-PO matrix for the course BSE-401F**

<b>COs</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>
BSE-401F.1	3	2	2	2	2	2	2	2	1
BSE-401F.2	3	2	2	2	2	2	2	2	2
BSE-401F.3	3	2	2	2	2	2	2	2	1
BSE-401F.4	3	1	2	2	2	1	2	2	2
BSE-401F.5	3	1	3	2	3	1	2	2	3
BSE-401F.6	3	2	2	2	3	2	3	3	2
BSE-401F.7	3	3	2	2	2	1	3	3	1
BSE-401F.8	3	1	2	2	2	1	2	3	2
BSE-401F.9	3	2	2	2	2	2	3	3	1
<b>Average</b>	3	1.78	2.11	2	2.22	1.56	2.33	2.44	1.67

**Table 2.BSE-401G: CO-PO matrix for the course BSE-401G**

<b>COs</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>
BSE-401G.1	3	2	3	2	3	2	2	2	3
BSE-401G.2	3	2	3	2	3	2	2	1	3
BSE-401G.3	3	2	3	2	3	2	2	2	2



BSE-401G.4	3	2	3	2	2	2	2	1	2
BSE-401G.5	3	2	3	2	3	2	2	2	2
BSE-401G.6	3	2	3	2	3	2	2	1	3
BSE-401G.7	3	2	3	3	3	2	2	2	3
BSE-401G.8	3	3	3	3	3	2	3	1	3
BSE-401G.9	3	2	2	2	3	2	3	2	2
<b>Average</b>	3	2.11	2.89	2.22	2.89	2	2.22	1.56	2.56

**Table 2.BSE-402A: CO-PO matrix for the course BSE-402A**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-402A.1	3	2	2	2	2	2	2	2	2
BSE-402A.2	3	2	2	2	2	2	2	2	2
BSE-402A.3	3	3	2	2	2	2	3	2	2
BSE-402A.4	3	2	2	2	3	2	2	1	3
BSE-402A.5	3	2	2	2	3	2	3	2	2
BSE-402A.6	3	3	3	3	3	2	2	1	3
BSE-402A.7	3	2	3	3	3	2	2	2	3
BSE-402A.8	3	2	3	2	3	2	2	1	3
BSE-402A.9	3	2	3	2	3	2	2	2	3
<b>Average</b>	3	2.22	2.44	2.22	2.67	2	2.22	1.67	2.56

**Table 2.BSE-402B: CO-PO matrix for the course BSE-402B**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-402B.1	3	2	2	2	2	2	2	2	2
BSE-402B.2	3	2	2	1	2	2	2	1	2
BSE-402B.3	3	2	2	2	2	2	2	1	2
BSE-402B.4	3	2	2	1	2	2	2	2	2
BSE-402B.5	3	2	3	1	3	2	3	2	3
BSE-402B.6	3	2	3	3	3	2	3	2	3
BSE-402B.7	3	2	3	2	3	2	2	1	3
BSE-402B.8	3	2	3	2	3	2	2	2	3
BSE-402B.9	3	2	3	1	3	2	2	2	2
<b>Average</b>	3	2	2.56	1.67	2.56	2	2.22	1.67	2.44

**Table 2.BSE-402C: CO-PO matrix for the course BSE-402C**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-402C.1	3	2	2	2	2	2	3	1	2
BSE-402C.2	3	2	2	2	2	2	2	2	2
BSE-402C.3	3	3	2	2	2	1	2	1	2
BSE-402C.4	3	2	2	2	2	1	2	2	3
BSE-402C.5	3	3	2	2	2	2	1	1	3
BSE-402C.6	3	2	3	3	3	2	2	2	2

BSE-402C.7	3	2	3	3	2	1	2	2	2
BSE-402C.8	3	2	3	3	3	2	2	2	3
BSE-402C.9	3	2	3	2	3	2	3	1	3
<b>Average</b>	3	2.22	2.44	2.33	2.33	1.67	2.11	1.56	2.44

**Table 2.BSE-403: CO-PO matrix for the course BSE-403**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-403.1	3	1	3	3	2	1	2	2	2
BSE-403.2	3	1	3	3	2	2	2	1	2
BSE-403.3	3	2	3	3	2	1	2	1	2
BSE-403.4	3	1	3	3	2	1	1	2	2
BSE-403.5	3	2	3	3	3	2	1	1	2
BSE-403.6	3	2	3	3	3	2	2	2	2
BSE-403.7	3	1	3	3	2	2	2	1	2
BSE-403.8	3	2	3	3	2	1	1	2	2
BSE-403.9	3	2	3	3	2	2	2	2	2
<b>Average</b>	3	1.56	3	3	2.22	1.56	1.67	1.56	2

**Table 2.BSE-404: CO-PO matrix for the course BSE-404**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-404.1	3	2	3	3	3	2	2	1	3
BSE-404.2	3	2	3	2	2	2	2	1	3
BSE-404.3	3	2	3	3	3	2	2	1	3
<b>Average</b>	3	2	3	2.67	2.67	2	2	1	3

**Table 2.BSE-405: CO-PO matrix for the course BSE-405**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-405.1	3	2	3	2	3	1	2	2	3
BSE-405.2	3	2	3	2	3	2	1	2	3
<b>Average</b>	3	2	3	2	3	1.5	1.5	2	3

**Table 2.BSE-406: CO-PO matrix for the course BSE-406**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BSE-406.1	3	2	3	3	3	2	2	1	3
BSE-406.2	3	2	3	2	3	2	2	1	2
<b>Average</b>	3	2	3	2.5	3	2	2	1	2.5

**CO-PSO Mapping matrices**

**Table 3.BSE-401A: CO-PSO matrix for the course BSE-401A**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401A.1	3	1	2	1	3	2	2	1
BSE-401A.2	3	3	2	1	3	2	2	1

BSE-401A.3	2	1	3	2	3	3	2	1
BSE-401A.4	1	2	2	1	3	3	2	1
BSE-401A.5	2	1	3	3	1	3	3	1
BSE-401A.6	1	2	2	3	3	3	2	1
BSE-401A.7	2	3	2	3	2	1	1	1
BSE-401A.8	2	1	2	3	3	3	1	1
BSE-401A.9	2	3	1	3	3	2	2	1
<b>Average</b>	2	1.89	2.11	2.22	2.67	2.44	1.89	1

**Table 3.BSE-401B: CO-PSO matrix for the course BSE-401B**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401B.1	3	1	2	3	3	2	2	1
BSE-401B.2	3	2	3	3	3	3	2	1
BSE-401B.3	3	3	1	3	3	3	3	1
BSE-401B.4	1	1	2	3	3	1	2	1
BSE-401B.5	3	2	3	3	3	2	2	1
BSE-401B.6	3	3	3	1	2	3	1	1
BSE-401B.7	1	2	3	1	3	1	3	1
BSE-401B.8	1	3	2	2	2	2	2	1
BSE-401B.9	3	3	3	2	3	2	1	1
<b>Average</b>	2.33	2.22	2.44	2.33	2.78	2.11	2	1

**Table 3.BSE-401C: CO-PSO matrix for the course BSE-401C**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401C.1	2	2	1	1	3	1	1	1
BSE-401C.2	3	2	2	1	3	2	2	1
BSE-401C.3	2	2	1	0	3	0	1	3
BSE-401C.4	3	3	3	3	3	3	3	1
BSE-401C.5	3	3	3	1	3	3	1	1
BSE-401C.6	1	3	0	1	3	1	2	3
BSE-401C.7	2	1	3	3	3	3	3	1
BSE-401C.8	2	2	2	3	1	3	3	3
BSE-401C.9	2	1	3	3	1	3	3	3
<b>Average</b>	2.22	2.11	2	1.78	2.56	2.11	2.11	1.89

**Table 3.BSE-401D: CO-PSO matrix for the course BSE-401D**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401D.1	3	2	2	2	3	2	2	2
BSE-401D.2	3	2	1	3	3	2	1	2
BSE-401D.3	3	3	2	1	3	3	2	2
BSE-401D.4	3	2	1	2	3	1	1	2
BSE-401D.5	1	3	3	1	1	2	2	1
BSE-401D.6	1	1	3	3	3	3	3	2
BSE-401D.7	2	1	3	1	3	3	3	3
BSE-401D.8	2	3	3	2	3	3	2	3
BSE-401D.9	2	2	2	2	1	2	1	2
<b>Average</b>	2.22	2.11	2.22	1.89	2.56	2.33	1.89	2.11

**Table 3.BSE-401E: CO-PSO matrix for the course BSE-401E**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401E.1	2	3	1	1	2	1	1	1
BSE-401E.2	2	1	3	2	2	2	1	1
BSE-401E.3	3	2	1	1	2	1	3	1
BSE-401E.4	3	3	2	1	3	1	1	1
BSE-401E.5	1	2	3	3	3	3	1	1
BSE-401E.6	3	3	1	3	3	1	3	1
BSE-401E.7	1	1	3	3	3	3	2	1
BSE-401E.8	2	2	1	3	2	3	2	1
BSE-401E.9	2	2	3	3	1	3	2	1
<b>Average</b>	2.11	2.11	2	2.22	2.33	2	1.78	1

**Table 3.BSE-401F: CO-PSO matrix for the course BSE-401F**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401F.1	3	2	2	2	1	1	1	2
BSE-401F.2	3	3	1	2	2	2	1	2
BSE-401F.3	2	2	2	2	1	1	1	2
BSE-401F.4	3	2	2	3	3	3	1	2
BSE-401F.5	3	2	3	3	3	3	2	1
BSE-401F.6	3	3	3	1	3	2	3	1
BSE-401F.7	3	3	2	1	3	3	3	1
BSE-401F.8	3	2	3	2	1	1	1	1
BSE-401F.9	3	3	2	2	2	3	2	1
<b>Average</b>	2.89	2.44	2.22	2	2.11	2.11	1.67	1.44

**Table 3.BSE-401G: CO-PSO matrix for the course BSE-401G**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-401G.1	3	1	3	2	2	3	1	1
BSE-401G.2	2	1	1	3	3	3	3	1
BSE-401G.3	2	2	1	3	3	1	1	1
BSE-401G.4	2	3	3	1	3	3	3	1
BSE-401G.5	2	3	3	3	3	3	3	1
BSE-401G.6	2	1	3	3	1	3	1	1
BSE-401G.7	2	3	3	1	1	3	2	1
BSE-401G.8	2	2	3	1	3	1	1	1
BSE-401G.9	2	3	1	2	2	1	1	1
<b>Average</b>	2.11	2.11	2.33	2.11	2.33	2.33	1.78	1

**Table 3.BSE-402A: CO-PSO matrix for the course BSE-402A**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-402A.1	3	1	1	1	1	1	1	1
BSE-402A.2	3	3	2	3	1	2	2	2
BSE-402A.3	1	1	1	1	2	1	3	2
BSE-402A.4	2	2	1	3	1	3	2	3
BSE-402A.5	2	2	1	1	1	3	3	1

BSE-402A.6	2	1	3	2	3	3	3	1
BSE-402A.7	2	2	3	3	3	1	2	1
BSE-402A.8	2	3	3	3	3	2	2	1
BSE-402A.9	1	3	3	3	3	1	2	1
<b>Average</b>	2	2	2	2.22	2	1.89	2.22	1.44

**Table 3.BSE-402B: CO-PSO matrix for the course BSE-402B**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-402B.1	2	3	2	2	1	2	3	2
BSE-402B.2	2	2	1	1	2	2	1	2
BSE-402B.3	2	2	2	2	2	2	1	2
BSE-402B.4	2	2	2	3	2	2	2	2
BSE-402B.5	2	2	3	3	2	3	2	2
BSE-402B.6	2	3	2	3	2	3	2	3
BSE-402B.7	2	3	3	3	3	2	2	2
BSE-402B.8	2	2	3	3	3	3	2	2
BSE-402B.9	2	3	2	2	2	2	3	2
<b>Average</b>	2	2.44	2.22	2.44	2.11	2.33	2	2.11

**Table 3.BSE-402C: CO-PSO matrix for the course BSE-402C**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-402C.1	3	3	2	2	1	3	2	2
BSE-402C.2	2	3	2	2	2	3	2	2
BSE-402C.3	3	3	2	2	2	2	2	2
BSE-402C.4	1	3	1	2	2	2	2	1
BSE-402C.5	2	3	2	3	2	3	2	1
BSE-402C.6	1	3	2	3	3	3	2	1
BSE-402C.7	2	3	3	3	3	3	2	1
BSE-402C.8	2	3	2	3	3	3	2	1
BSE-402C.9	3	3	3	3	2	2	2	1
<b>Average</b>	2.11	3	2.11	2.56	2.22	2.67	2	1.33

**Table 3.BSE-403: CO-PSO matrix for the course BSE-403**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-403.1	2	2	2	3	3	2	3	1
BSE-403.2	2	2	3	3	3	2	3	2
BSE-403.3	2	1	2	3	3	2	3	2
BSE-403.4	2	3	2	3	3	3	3	1
BSE-403.5	2	3	3	3	3	3	3	2
BSE-403.6	2	3	3	3	3	3	3	2
BSE-403.7	2	2	3	1	3	3	3	2
BSE-403.8	2	2	2	2	2	2	3	2
BSE-403.9	2	3	3	1	2	2	3	2
<b>Average</b>	2	2.33	2.56	2.44	2.78	2.44	3	1.78

**Table 3.BSE-404: CO-PSO matrix for the course BSE-404**

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
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BSE-404.1	1	3	3	3	3	2	2	2
BSE-404.2	1	2	3	3	3	3	2	2
BSE-404.3	1	3	3	3	2	3	2	2
<b>Average</b>	1	2.67	3	3	2.67	2.67	2	2

**Table 3.BSE-405: CO-PSO matrix for the course BSE-405**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-405.1	1	2	3	2	3	3	3	3
BSE-405.2	1	2	3	2	3	3	3	3
<b>Average</b>	1	2	3	2	3	3	3	3

**Table 3.BSE-406: CO-PSO matrix for the course BSE-406**

<b>COs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
BSE-406.1	1	3	3	3	3	3	2	2
BSE-406.2	1	3	3	3	3	3	2	2
<b>Average</b>	1	3	3	3	3	3	3	3



**Table 4: CO-PO-PSO Mapping matrix for B. Ed. Special Education (V.I.)**

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
BSE-101	3	2	2	1.89	2	1.56	2	2	2	2.44	2	2	1.78	1.67	2.44	2.33	2.33
BSE-102	3	2.67	2.67	2.22	2.67	2	2.22	2.22	2.33	3	2.33	2.33	2.56	2.22	2.22	2.33	2.22
BSE-103	3	2.67	2.33	2	2.33	2	2.11	1.56	2.56	2.11	2.22	2.33	2.11	2	2.22	2.22	1.78
BSE-104	3	2.44	2.44	2	2.44	2	2.33	1.89	2.44	2	2.44	2.33	2.11	1.89	2.22	2	1.78
BSE-105	3	2.67	2.56	2.33	2.78	2	1.56	1.56	2.44	2.11	2.78	2	2.11	2.11	2.11	2.22	2.11
BSE-106	3	2.67	3	2.33	3	2	2	2	3	2.33	1.67	2.33	2	2.33	2.33	2	2.33
BSE-201	3	2.22	2.56	2.22	2.33	2	1.89	2.22	2.33	2.11	2.11	1.89	2.22	1.89	2	1.89	1.89
BSE-202&203AI	3	2	2.56	2.22	3	2	2.33	2	2.67	2.11	2.11	2.22	1.78	2	2	1.78	2.22
BSE-202&203BI	3	2	2.56	2.22	3	2	2.33	2	2.67	2	2.44	2.11	2.33	2.22	1.89	1.89	2.11
BSE-202&203BII	3	2.44	2.33	2.22	2.89	2	2.33	2	2.67	2.11	2	2.11	2.22	2.11	2.22	1.44	1.78
BSE-202&203CI	3	2	2.33	2.22	2.89	2	2.33	2	2.67	1.89	2.22	3	2.22	2.33	2.44	2	1.67
BSE-202&203CII	2.67	2.22	2.56	1.89	2.67	1.67	2	2	2.56	1.67	2.22	2.33	2	2.11	1.56	1.89	2.11
BSE-204	2.78	2.44	2.22	1.89	2.22	1.89	2.22	2.33	2.44	2.33	1.78	2.44	2.11	2.22	2	2	1.78
BSE-205	3	2.11	2.56	2.22	3	2.22	1.78	1.67	2.44	2.11	2.33	2.11	2.33	1.89	2.33	1.78	2
BSE-206	3	1	3	2	3	2	2	1	3	1	2.33	3	2	2.67	2	2	1.67
BSE-301	3	2.67	2.89	2.22	2.78	2.22	2.22	2	2.78	1.78	2.11	2.33	2.33	2	1.67	2.33	2.11
BSE-302	3	2.33	2.78	2.44	2.67	2	2	1.56	2.78	1.89	2.22	2	1.78	2.44	2.33	1.78	2
BSE-303	2.67	2.11	2.22	2	2.44	2	2	1.56	2.33	2.33	2	2.22	2.22	2	1.56	1.89	1
BSE-304	3	2	3	2	2	2	2	1	3	1	2	3	2	2.67	3	2	1
BSE-305	3	2	3	2	3	2	2	1	3	1	2	3	3	2.33	3	2	2
BSE-306	2	2.22	3	1.56	1.67	1.67	1.78	2	3	2	2.44	2.33	2.33	2.11	2	1.22	1.89
BSE-307	3	2	3	1.56	2	2	1.44	2	3	2	2.33	2.22	2.33	1.78	2.22	1	1
BSE-401A	3	2.22	2.22	1.56	2	1.56	2	1.56	1.44	2	1.89	2.11	2.22	2.67	2.44	1.89	1
BSE-401B	2.56	2	2.11	2.22	2.67	2	1.67	1.67	2	2.33	2.22	2.44	2.33	2.78	2.11	2	1
BSE-401C	3	2	2.56	2.33	2.22	1.78	2.44	2	2.67	2.22	2.11	2	1.78	2.56	2.11	2.11	1.89
BSE-401D	3	2.22	2.22	2.22	2.22	2.33	2.44	1.56	2.56	2.22	2.11	2.22	1.89	2.56	2.33	1.89	2.11
BSE-401E	2.78	1.78	2.78	2.22	2.33	1.67	2.33	1.56	2.78	2.11	2.11	2	2.22	2.33	2	1.78	1
BSE-401F	3	1.78	2.11	2	2.22	1.56	2.33	2.44	1.67	2.89	2.44	2.22	2	2.11	2.11	1.67	1.44
BSE-401G	3	2.11	2.89	2.22	2.89	2	2.22	1.56	2.56	2.11	2.11	2.33	2.11	2.33	2.33	1.78	1
BSE-402A	3	2.22	2.44	2.22	2.67	2	2.22	1.67	2.56	2	2	2	2.22	2	1.89	2.22	1.44
BSE-402B	3	2	2.56	1.67	2.56	2	2.22	1.67	2.44	2	2.44	2.22	2.44	2.11	2.33	2	2.11
BSE-402C	3	2.22	2.44	2.33	2.33	1.67	2.11	1.56	2.44	2.11	3	2.11	2.56	2.22	2.67	2	1.33



BSE-403	3	1.56	3	3	2.22	1.56	1.67	1.56	2	2	2.33	2.56	2.44	2.78	2.44	3	1.78
BSE-404	3	2	3	2.67	2.67	2	2	1	3	1	2.67	3	3	2.67	2.67	2	2
BSE-405	3	2	3	2	3	1.5	1.5	2	3	1	2	3	2	3	3	3	3
BSE-406	3	2	3	2.5	3	2	2	1	2.5	1	3	3	3	3	3	2	2





202&203BI									
BSE-202&203BII									
BSE-202&203CI									
BSE-202&203CII									
BSE-204									
BSE-205									
BSE-206									
BSE-301									
BSE-302									
BSE-303									
BSE-304									
BSE-305									
BSE-306									
BSE-307									
BSE-401A									
BSE-401B									
BSE-401C									
BSE-401D									
BSE-401E									
BSE-401F									
BSE-401G									
BSE-402A									
BSE-402B									
BSE-402C									
BSE-403									
BSE-404									
BSE-405									
BSE-406									
Direct PO Attainment	Average of above values	Average of above values	Average of above values	Average of above values	Average of above values	Average of above values			

The PO attainment values to be filled in the above table can be obtained as follows:

For BSE-101-PO1 Cell: PO1 attainment value = (Mapping factor of BSE-101-PO1 from Table 4 x Overall CO attainment value for the course BSE-101)/3.  
 Same method can be used to obtain attainment values for the other POs.

In order to obtain the PO attainment using the indirect method, a student exit survey based on questionnaire of POs may be conducted at the end of last semester of the program, as per the following format:



Indirect PO attainment									
Overall PO attainment									
Target	2	2	2	2	1.5	2	2	2	2

The overall PSO attainment level based on CO-PSO mapping values and overall CO attainment values can be obtained in a similar manner.