

DEPARTMENT OF EDUCATION
KURUKSHETRA UNIVERSITY, KURUKSHETRA

M.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 correlation between the contents of course and the particular Program</i>
2	<i>Medium correlation between the contents of course and the particular Program outcome/ Program specific outcome</i>
3	<i>High correlation between the contents of course and the particular Program</i>

B: Mapping matrices:

SEMESTER-1

CO-PO Mapping matrices

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

Developments in Education and Special Education

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	-		-	-		3	-
CO-2	3	3	-		3	-		3	-
CO-3	3	3	2		-	-	1	3	-
CO-4	3	3	2	1	3	2	3	3	-
CO-5	3	3	2	2	3	2	3	3	-
Average	3	3	1.2	0.6	1.8	0.8	1.4	3	-

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

Psychology of Development and Learning

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	3	-	3	3	3
CO-2	3	3	3	3	3	-	3	3	3
CO-3	3	3	3	3	3	2	3	3	3
CO-4	3	3	3	2	3	2	3	3	3
CO-5	3	3	3	-	3	3	3	3	3
Average	3	3	2	2.2	3	1.4	3	3	3

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

Identification, Assessment and Needs of Children with Visual Impairment

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	-	2	-	-	-	3	3	-
CO-2	3	-	-	-	3	-	3	3	2
CO-3	3	3	3	3	3	-	3	3	3
CO-4	3	-	3	3	3	3	3	3	3
CO-5	3	3	-	-	3	-	3	3	-
Average	3	1.2	1.6	1.2	2.4	0.6	3	3	1.6

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

Curriculum and Teaching Strategies for Children with Visual Impairment

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	-	-	-	-	3	3
CO-2	3	3	3	-	-	-	-	3	3
CO-3	3	3	3	3	3	3	3	3	3
CO-4	3	3	3	-	3	3	3	3	3
CO-5	3	3	2	3	2	-	3	3	3
Average	3	3	2.6	1.2	1.6	1.2	1.8	3	3

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

Practical related to Visual Impairment

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	-	-	-	-	-	-	3
CO-2	3	3	-	-	-	-	-	-	3
CO-3	3	3	3	-	3	-	-	-	3
CO-4	3	3	3	-	3	-	2	-	3
CO-5	3	3	3	-	3	-	2	-	3
Average	3	3	1.8	-	1.8	-	0.8	-	3

CO-PSO Mapping matrices

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

Developments in Education and Special Education

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	1	2	1	3	2	2	1	2
CO-2	3	1	2	1	2	3	1	1	2
CO-3	3	1	2	1	3	2	1	1	2
CO-4	3	1	2	1	3	1	1	1	2
CO-5	3	1	3	1	3	1	1	1	2
Average	3	1	2.2	1	2.8	1.8	1.2	1	2

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

Psychology of Development and Learning

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	2	3	1	3	2	3
CO-2	3	3	3	1	3	1	3	1	3
CO-3	3	3	3	1	3	2	3	1	3
CO-4	3	3	3	1	3	2	3	1	3
CO-5	3	3	3	1	3	2	2	3	3
Average	3	3	3	1.2	3	1.6	2.8	1.6	3

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

Identification, Assessment and Needs of Children with Visual Impairment

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	1	3	3	3	3	1	3
CO-2	3	3	1	1	1	1	3	1	3
CO-3	3	3	1	1	3	2	3	3	3
CO-4	3	3	2	1	2	2	3	3	3
CO-5	3	3	2	1	3	2	3	3	3
Average	3	3	1.4	1.4	2.4	2	3	2.2	3

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

Curriculum and Teaching Strategies for Children with Visual Impairment

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	3	1	3	1	1
CO-2	3	3	3	3	2	1	3	2	1
CO-3	3	3	3	3	3	1	3	2	1
CO-4	3	3	3	3	3	1	3	2	1
CO-5	3	3	3	1	1	1	2	2	1
Average	3	3	3	2.6	2.4	1	2.8	1.8	1

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

Practical related to Visual Impairment

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	2	1	2	2	2
CO-2	3	3	3	3	2	1	2	2	2
CO-3	3	3	3	3	2	1	2	2	2
CO-4	3	3	3	3	2	1	2	2	2
CO-5	3	3	3	3	2	1	2	2	2
Average	3	3	3	3	2	1	2	2	2

SEMESTER-II

CO-PO Mapping matrices

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

Research Methodology and Statistics

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	3	-	-	3	-
CO-2	3	3	3	3	3	-	3	3	3
CO-3	3	3	3	3	3	-	-	-	3
CO-4	3	3	3	3	3	2	-	3	3
CO-5	3	3	3	3	3	-	-	3	3
Average	3	3	3	3	3	0.4	0.6	2.4	2.4

Table 2.MSE-202: CO-PO matrix for the course MSE-202

Curriculum Design & Development

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	-	2	-	-	-	-	2	-
CO-2	3	3	2	2	-	-	-	3	-
CO-3	3	3	2	3	3	-	-	3	-
CO-4	3	3	3	2	3	3	3	3	3
CO-5	3	3	3	3	2	-	3	3	3
Average	3	2.4	2.4	2	1.6	0.6	1.2	2.8	0.6

Table 2.MSE-203: CO-PO matrix for the course MSE-203

Inclusive Education

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	-	1	2	-	-
CO-2	3	3	3	-	-	-	2	-	-
CO-3	3	3	3	-	3	3	3	3	3
CO-4	3	3	3	-	3	3	3	3	-
CO-5	3	3	3	-	3	3	3	3	3
Average	3	3	3	0.6	1.8	2	2.6	1.8	1.2

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

Application of Advanced Technology and Persons with Visual Impairment

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	-	-	3	-	-	2	3
CO-2	3	3	3	3	3	-	3	-	3
CO-3	3	3	3	3	3	-	3	-	3
CO-4	3	3	3	-	3	-	3	3	3
CO-5	3	3	3	3	3	-	3	3	-
Average	3	3	2.4	1.8	3	-	2.4	1.6	2.4

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

Practical related to Visual Impairment

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	-	3	-	2	3	2
CO-2	3	3	3	-	3	-	-	3	2
CO-3	3	3	3	-	3	-	2	3	2
CO-4	3	3	3	-	3	-	2	3	2
CO-5	3	3	3	-	3	-	-	3	2
Average	3	3	3	-	3	-	1.2	3	2

Table 2.MSE-OE-I: CO-PO matrix for the course MSE-OE-I

Open Elective Course : Overview of Diversity and Special Education/MOOC

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	-	-	-	3	3	3
CO-2	3	3	3	-	3	-	3	3	-
CO-3	3	3	3	-	3	-	3	3	3
CO-4	3	3	3	-	3	-	3	3	3
CO-5	3	3	3	-	3	-	3	2	-
Average	3	3	3	-	2.4	-	3	2.8	1.8

Table 3.MSE-201: CO-PSO matrix for the course MSE-201**Research Methodology and Statistics**

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	2	3	1	1	1	1	3
CO-2	3	3	2	3	1	1	2	1	3
CO-3	3	3	1	3	1	1	1	1	3
CO-4	3	3	1	3	1	1	1	1	3
CO-5	3	3	1	3	1	1	1	1	3
Average	3	3	1.4	3	1	1	1.2	1	3

Table 3.MSE-202: CO-PSO matrix for the course MSE-202**Curriculum Design & Development**

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	2	3	1	2	1	2
CO-2	3	3	3	2	3	1	2	1	2
CO-3	3	3	3	2	3	1	2	1	2
CO-4	3	3	3	2	3	1	2	1	2
CO-5	3	3	3	2	3	3	2	3	2
Average	3	3	3	2	3	1.4	2	1.4	2

Table 3.MSE-203: CO-PSO matrix for the course MSE-203**Inclusive Education**

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	3	3	3	1	3
CO-2	3	3	3	1	3	3	3	1	3
CO-3	3	3	3	3	3	2	2	1	3
CO-4	3	3	3	3	3	1	3	3	3
CO-5	3	3	3	3	3	3	3	3	3
Average	3	3	3	1	3	3	3	3	3
				2.2	3	2.4	2.8	2.2	3

Table 3.MSE-204: CO-PSO matrix for the course MSE-204
Application of Advanced Technology and Persons with Visual Impairment

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	3	3	3	3	3
CO-2	3	3	3	3	3	3	3	3	3
CO-3	3	3	3	3	3	3	3	3	3
CO-4	3	3	3	3	3	3	3	3	3
CO-5	3	3	3	3	3	3	3	3	3
Average	3	3	3	3	3	3	3	3	3

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

Practical related to Visual Impairment

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	3	3	3	3	3
CO-2	3	3	3	3	3	3	3	3	3
CO-3	3	3	3	3	3	3	3	3	3
CO-4	3	3	3	3	3	3	3	3	3
CO-5	3	3	3	3	3	3	3	3	3
Average	3	3	3	3	3	3	3	3	3

Table 3.MSE-OE-01: CO-PSO matrix for the course MSE-OE-01

Open Elective Course: Overview of Diversity and Special Education/MOOC

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	3	3	3	3	1
CO-2	3	3	3	2	3	2	1	2	1
CO-3	3	3	3	3	3	3	2	3	3
CO-4	3	3	3	3	3	3	2	3	3
CO-5	3	3	3	3	3	3	3	3	3
Average	3	3	3	2.8	3	2.8	2.2	2.8	2.2

SEMESTER III

CO-PO Mapping matrices

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

Perspectives in Teacher Education – In-service & Pre-service

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	2	-	-	-	3	3	-
CO-2	3	3	2	-	-	-	3	3	-
CO-3	3	3	2	2	2	3	3	3	-
CO-4	3	3	2	2	3	3	3	3	3
CO-5	3	3	2	2	2	3	3	3	2
Average	3	3	2	1.2	1.4	1.8	3	3	1

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

Educational Evaluation

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	2	3	-	-	-	3	3	-
CO-2	3	3	3	-	-	-	3	3	-
CO-3	3	3	3	3	3	-	3	3	3
CO-4	3	3	3	3	3	-	3	3	3
CO-5	3	3	3	3	3	-	3	3	3
Average	3	2.8	3	1.8	1.8	-	3	3	1.8

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

Adulthood and Family Issues

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	2	-	3	-	3	3	-
CO-2	3	3	2	-	3	-	3	3	3
CO-3	3	3	2	-	3	3	3	3	-
CO-4	3	3	2	-	3	3	3	3	3
CO-5	3	3	2	-	3	-	3	3	-
Average	3	3	2	-	3	1.2	3	3	1.2

Table 2.MSE-304 A: CO-PO matrix for the course MSE-304 A

Educational Management

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	3	2	3	3	3
CO-2	3	3	3	2	3	2	3	3	3
CO-3	3	3	3	2	3	2	3	3	3
CO-4	3	3	3	3	3	2	3	3	3
CO-5	3	3	3	3	3	2	3	3	3
Average	3	3	3	2.6	3	2	3	3	3

Table 2.MSE-304 B: CO-PO matrix for the course MSE-304 B

Educational Technology

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	3	-	3	-	3
CO-2	3	3	3	3	3	-	3	-	3
CO-3	3	3	3	-	3	-	3	-	3
CO-4	3	3	3	2	3	-	3	-	3
CO-5	3	3	3	-	3	-	3	-	3
Average	3	3	3	1.6	3	-	3	-	3

Table 2.MSE-304 C: CO-PO matrix for the course MSE-304 C

Guidance and Counseling

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	2	3	3	3	-	3
CO-2	3	3	3	2	3	3	3	-	2
CO-3	3	3	3	-	3	3	3	3	3
CO-4	3	3	3	2	3	3	3	-	2
CO-5	3	3	3	2	3	3	3	-	3
Average	3	3	3	1.6	3	3	3	0.6	2.6

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

Dissertation

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	3	-	3	3	3
CO-2	3	3	3	3	3	-	3	3	3
CO-3	3	3	3	3	3	-	3	3	3
CO-4	3	3	3	3	3	-	3	3	3
CO-5	3	3	3	3	3	-	3	3	3
Average	3	3	3	3	3	-	3	3	3

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

Field Engagement / Internship as a Teacher Educator

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	-	3	3	3	3
CO-2	3	3	3	-	3	3	3	3	3
CO-3	3	3	3	-	3	3	3	3	3
CO-4	3	3	3	-	3	3	3	3	3
CO-5	3	3	3	3	3	3	3	3	3
Average	3	3	3	1.2	2.4	3	3	3	3

Table 2.MSE-OE-2: CO-PO matrix for the course MSE-OE-2

Advanced Perspectives in Inclusive Education

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	-	-	3	3	3	3
CO-2	3	3	3	-	3	3	3	3	3
CO-3	3	3	3	-	3	3	3	3	3
CO-4	3	3	3	-	3	3	3	3	3
CO-5	3	3	3	-	3	3	3	3	3
Average	3	3	3	-	2.4	3	3	3	3

CO-PSO Mapping matrices

Table 3.MSE-301: CO-PSO matrix for the course MSE-301
Perspectives in Teacher Education – In-service & Pre-service

	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	1	1	3	3	1	2
CO-2	3	3	3	1	1	3	3	1	2
CO-3	3	3	3	1	1	3	3	2	2
CO-4	3	3	3	2	2	3	3	2	2
CO-5	3	3	3	3	1	3	3	3	3
Average	3	3	3	1.6	1.2	3	3	1.6	2.2

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

Educational Evaluation

	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	3	2	1	3	1	2
CO-2	3	3	3	3	2	2	3	3	2
CO-3	3	3	3	3	2	3	3	1	2
CO-4	3	3	3	3	2	3	3	1	2
CO-5	3	3	3	3	2	3	3	3	2
Average	3	3	3	3	2	2.4	3	1.8	2

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

Adulthood and Family Issues

	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	2	1	1	3	3	1	3
CO-2	3	3	3	1	1	3	3	1	3
CO-3	3	3	3	1	1	3	3	1	3
CO-4	3	3	3	1	1	3	3	1	3
CO-5	3	3	3	1	1	3	3	1	3
Average	3	3	2.8	1	1	3	2.6	1	3

SEMESTER IV

CO-PO Mapping matrices

Table 2.MSE-401: CO-PO matrix for the course MSE-401

Dissertation

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	3	2	-	3	3	3
CO-2	3	3	3	3	2	-	3	3	3
CO-3	3	3	3	3	2	-	3	3	3
CO-4	3	3	3	3	2	-	3	3	3
CO-5	3	3	3	3	2	-	3	3	3
Average	3	3	3	3	2	-	3	3	3

Table 2.MSE-402: CO-PO matrix for the course MSE-402

Field Engagement/ Internship as a Teacher Trainer

	PO-1	PO-2	PO -3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	3	3	3	2	3	3	-	-	3
CO-2	3	3	3	2	3	3	-	-	3
CO-3	3	3	3	2	3	3	-	-	3
CO-4	3	3	3	2	3	3	-	-	3
CO-5	3	3	3	2	3	3	-	-	3
Average	3	3	3	2	3	3	-	-	3

CO-PSO Mapping matrices

Table 3.MSE-401: CO-PSO matrix for the course MSE-401

Dissertation

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	1	3	1	1	2	1	3
CO-2	3	3	1	3	1	1	2	1	3
CO-3	3	3	1	3	1	1	2	1	3
CO-4	3	3	1	3	1	1	2	1	3
CO-5	3	3	1	3	1	1	2	1	3
Average	3	3	1	3	1	1	2	1	3

Table 3.MSE-402: CO-PSO matrix for the course MSE-402

Field Engagement/ Internship as a Teacher Trainer

	PSO-1	PSO-2	PSO -3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CO-1	3	3	3	2	3	3	3	3	3
CO-2	3	3	3	2	3	3	3	3	3
CO-3	3	3	3	2	3	3	3	3	3
CO-4	3	3	3	2	3	3	3	3	3
CO-5	3	3	3	2	3	3	3	3	3
Average	3	3	3	2	3	3	3	3	3

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

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
MSE-101	3	3	1.2	0.6	1.8	0.8	1.4	3	-	3	1	2.2	1	2.8	1.8	1.2	1	2
MSE-102	3	3	2	2.2	3	1.4	3	3	3	3	3	3	1.2	3	1.6	2.8	1.6	3
MSE-103	3	1.2	1.6	1.2	2.4	0.6	3	3	1.6	3	3	1.4	1.4	2.4	2	3	2.2	3
MSE-104	3	3	2.6	1.2	1.6	1.2	1.8	3	3	3	3	3	2.6	2.4	1	2.8	1.8	1
MSE-105	3	3	1.8	-	1.8	-	0.8	-	3	3	3	3	3	2	1	2	2	2
MSE-201	3	3	3	3	3	0.4	0.6	2.4	2.4	3	3	1.4	3	1	1	1.2	1	3
MSE-202	3	2.4	2.4	2	1.6	0.6	1.2	2.8	0.6	3	3	3	2	3	1.4	2	1.4	2
MSE-203	3	3	3	0.6	1.8	2	2.6	1.8	1.2	3	3	3	2.2	3	2.4	2.8	2.2	3
MSE-204	3	3	2.4	1.8	3	-	2.4	1.6	2.4	3	3	3	3	3	3	3	3	3
MSE-205	3	3	3	-	3	-	1.2	3	2	3	3	3	3	3	3	3	3	3
MSE-OE-01	3	3	3	-	2.4	-	3	2.8	1.8	3	3	3	2.8	3	2.8	2.2	2.8	2.2
MSE-301	3	3	2	1.2	1.4	1.8	3	3	1	3	3	3	1.6	1.2	3	3	1.6	2.2
MSE-302	3	2.8	3	1.8	1.8	-	3	3	1.8	3	3	3	3	2	2.4	3	1.8	2
MSE-303	3	3	2	-	3	1.2	3	3	1.2	3	3	2.8	1	1	3	2.6	1	3
MSE-304 A	3	3	3	2.6	3	2	3	3	3	1	1.4	1	1	1	3	3	1.8	2.8
MSE-304 B	3	3	3	1.6	3	-	3	-	3	3	3	3	3	3	3	3	3	3
MSE-304 C	3	3	3	1.6	3	3	3	0.6	2.6	3	3	1	1.4	1	1.2	3	3	3
MSE-305	3	3	3	3	3	-	3	3	3	2	3	1	3	1	1	2	1	2
MSE-306	3	3	3	1.2	2.4	3	3	3	3	3	3	3	2	3	3	3	2	3
MSE-OE-02	3	3	3	-	2.4	3	3	3	3	3	2.2	1.8	1.8	3	2.2	2.4	2.2	1.6
MSE-401	3	3	3	3	2	-	3	3	3	3	3	1	3	1	1	2	1	3
MSE-402	3	3	3	2	3	3	-	-	3	3	3	3	2	3	3	3	3	3

Table 7: PO Attainment Values using Direct Method

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
MSE-101									
MSE-102									
MSE-103									
MSE-104									
MSE-105									
MSE-201									
MSE-202									
MSE-203									
MSE-204									
MSE-205									
MSE-OE-01									
MSE-301									
MSE-302									
MSE-303									
MSE-304 A									
MSE-304 b									
MSE-304 C									
MSE-305									
MSE-306									
MSE-OE-02									
MSE-401									
MSE-402									
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	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 MSE-101-PO1 Cell: PO1 attainment value = (Mapping factor of MSE-101-PO1 from Table 4 x Overall CO attainment value for the course MSE-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:

**Table 8: Questionnaire for Indirect measurement of PO attainment
(For outgoing students)**

At the end of my degree program I am able to do:

	Please tick any one		
	3	2	1
<i>Acquire knowledge & skills about human development, contemporary Indian education, and pedagogy of various school subjects and assessment for learning.</i>			
<i>Develop an understanding of education as an agenda for the nation and its policies, visions and efforts in evolving a national system of education.</i>			
<i>Re-engage with the nuances of the discipline and its prevalent conceptualizations and practices.</i>			
<i>Develop understanding about teaching, pedagogy, school management and community involvement in general education and Inclusive settings.</i>			
<i>Inculcate a sense of responsibility towards the society and respect for human life and dignity.</i>			
<i>Promote co-operative teaching where two or more teachers offer a course and jointly interact with the same class particularly to facilitate multi-disciplinary analysis of problems.</i>			
Indirect PO attainment	Average of the responses from the outgoing students for each PO		
Scale: 3: Strongly Agree; 2: Agree; 1: Average			

The overall PO attainment values are obtained by adding attainment values estimated using direct and indirect methods in the proportion of 80:20 as follows:

Overall attainment value for PO1 = 0.8 × average attainment value for PO1 using direct method (from table 7) + 0.2 × average response of outgoing students for PO1.

Table

9: Overall PO attainment values

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Direct PO attainment									
Indirect PO attainment									
Overall PO attainment									
Target	2.	2	2	2	2	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.