

KIET GROUP OF INSTITUTIONS, DELHI-NCR, GHAZIABAD

DEPARTMENT OF APPLIED SCIENCES

CO-PO MAPPING, B. TECH. I YEAR (2020-21)

Mapping of Course Outcomes with Program Outcomes															
Engineering Physics (KAS 101T/201T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	1	-	-	-	-	-	-	-	-	-	3	1	-	2.00
CO-2	3	2	-	-	-	-	-	-	-	-	-	3	2	-	2.50
CO-3	3	1	-	-	-	-	-	-	-	-	-	3	2	-	2.25
CO-4	3	1	1	1	-	-	-	-	-	-	-	3	1	-	1.67
CO-5	3	2	2	1	1	-	-	-	-	-	-	3	2	-	2.00
Target Level	3	1.4	1.5	1	1							3	1.6		2.08

Mapping of Course Outcomes with Program Outcomes															
Engineering Chemistry (KAS 102T/202T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	2	1	1	1	1	1	-	1	-	1	2	2	2	1.50
CO-2	3	2	1	1	2	2	1	-	1	-	1	2	2	2	1.67
CO-3	3	2	2	2	1	2	2	-	1	-	1	2	3	2	1.92
CO-4	3	3	2	2	1	2	2	-	1	-	2	2	3	2	2.08
CO-5	3	2	2	1	1	2	1	-	1	-	1	2	2	2	1.67
Target Level	3	2.2	1.6	1.4	1.2	1.8	1.4		1		1.2	2	2.4	2	1.77

Mapping of Course Outcomes with Program Outcomes															
Engineering Mathematics-I (KAS 103T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	3	3	2	2	2	1	--	--	--	2	2	3	2	2.27
CO-2	3	3	1	1	1	--	1	--	--	--	1	2	3	2	1.80
CO-3	3	3	2	1	1	1	1	--	--	--	1	2	3	2	1.82
CO-4	3	3	3	3	1	1	1	--	--	--	1	2	3	2	2.09
CO-5	3	3	3	3	1	1	1	--	--	--	1	2	3	2	2.09
Target Level	3	3	2.4	2	1.2	1.25	1				1.2	2	3	2	2.00

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Mapping of Course Outcomes with Program Outcomes															
Engineering Mathematics-I (KAS 203T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	1	2	2	2	2	2	-	--	-	3	3	3	2	2.27
CO-2	3	3	1	3	2	2	1	-	-	-	1	3	3	2	2.18
CO-3	3	3	2	2	2	2	1	-	-	-	1	2	3	2	2.09
CO-4	3	3	3	2	2	2	2	-	-	-	2	2	3	2	2.36
CO-5	3	2	1	2	2	1	1	-	-	-	1	2	3	2	1.82
Target Level	3	2.4	1.8	2.2	2	1.8	1.4				1.6	2.4	3	2	2.15

Mapping of Course Outcomes with Program Outcomes															
Basic Electrical Engineering (KEE 101T/201T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	2	2	2	3	1	1	-	1	-	1	-	2	2	2	1.73
CO-2	3	3	2	3	2	1	-	1	-	1	-	3	3	2	2.18
CO-3	3	3	3	3	3	2	-	2	-	2	-	3	3	3	2.73
CO-4	3	3	3	3	3	2	-	2	-	2	-	3	3	3	2.73
CO-5	2	2	2	2	1	3	-	1	-	2	-	2	2	1	1.82
Target Level	2.6	2.6	2.4	2.8	2	1.8	-	1.4	-	1.6	-	2.6	2.6	2.2	2.24

Mapping of Course Outcomes with Program Outcomes															
Emerging Domain in Electronics Engineering (KEC 101T/ 201T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	3	3	2	2	-	-	-	-	-	-	2	-	-	2.50
CO-2	3	3	3	2	2	1	1	-	-	-	-	2	-	-	2.13
CO-3	3	3	3	2	2	1	1	-	-	-	-	3	-	-	2.25
CO-4	3	3	3	2	2	1	1	-	1	-	-	3	-	-	2.11
CO-5	2	2	2	3	3	3	3	1	2	2	2	3	-	-	2.33
Target Level	2.8	2.8	2.8	2.2	2.2	1.5	1.5	1	1.5	1.5	1	2.6			2.26

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Course Outcomes															
Programming for Problem Solving: (KCS 101T/ 201T)															
PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	CO Wise Target Level
CO-1	2	2	-	1	1	-	-	-	2	1	-	2	2	2	1.67
CO-2	3	-	3	1	1	-	-	-	2	1	-	1	2	1	1.67
CO-3	3	2	-	1	1	2	-	-	2	1	-	2	2	2	1.8
CO-4	3	2	3	1	1	2	-	-	2	1	-	2	2	-	1.9
CO-5	3	2	-	1	1	2	-	-	2	1	-	2	2	3	1.9
Target Level	2.8	2	3	1	1	2			2	1		1.8	2	2	1.79

Mapping of Course Outcomes with Program Outcomes															
Fundamental of Mechanical Engineering and Mechatronics (KME 101T/ 201T)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-01	PSO-02	CO Wise Target Level
CO-1	3	3	3	3	1	3	3	3	3	3	1	3	1	1	2.43
CO-2	3	3	3	3	1	3	2	3	3	3	1	3	1	3	2.50
CO-3	3	3	3	2	1	3	3	3	3	2	1	3	1	1	2.29
CO-4	3	3	3	2	1	3	2	3	3	2	1	3	1	1	2.21
CO-5	3	3	3	2	1	3	3	3	2	3	1	3	1	1	2.29
CO-6	3	3	3	2	1	3	3	3	2	2	1	3	1	3	2.36
Target Level	3	3	3	2.33	1	3	2.66	3	2.66	2.5	1	3	1	1.66	

Mapping of Course Outcomes with Program Outcomes															
Soft Skills-I (KNC 101)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-01	PSO-02	CO Wise Target Level
CO-1										1.5		1			1.25
CO-2									1	1		1			1.00
CO-3								1	1	1		1			1.00
CO-4						1		1	1	1	1				1.00
CO-5									1	1.5	1	1			1.13
Target Level						1		1	1	1.2	1	1			1.08

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Mapping of Course Outcomes with Program Outcomes															
Artificial Intelligence for Engineering - (KMC-101)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-01	PSO-02	CO Wise Target Level
CO-1	1	2	1	2	2	3	2	3	1	2	1	3	3	1	1.93
CO-2	1	2	1	2	2	2	2	3	1	2	1	3	3	1	1.86
CO-3	1	2	1	2	2	2	2	3	1	2	1	3	3	1	1.86
CO-4	1	2	1	2	2	2	2	3	1	2	1	3	3	1	1.86
CO-5	1	2	1	2	2	3	2	3	1	2	1	3	3	1	1.93
Target Level	1	2	1	2	2	2.4	2	3	1	2	1	3	3	1	1.89

Mapping of Course Outcomes with Program Outcomes															
Emerging Technology for Engineering - (KMC-102)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-01	PSO-02	CO Wise Target Level
CO-1	2	1	2	2	2	3	3	3	1	3	3	3	3	3	2.43
CO-2	2	2	1	1	3	3	3	3	3	2	3	3	3	3	2.50
CO-3	2	2	1	2	2	3	1	3	3	2	2	2	3	3	2.21
CO-4	2	2	1	2	2	3	2	2	2	2	2	3	3	3	2.21
CO-5	2	2	1	2	3	3	2	2	2	2	2	3	3	3	2.29
Target Level	2	1.8	1.2	1.8	2.4	3	2.2	2.6	2.2	2.2	2.4	2.8	3	3	2.33

Mapping of Course Outcomes with Program Outcomes															
Engineering Physics Lab (KAS 151P/251P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	2	1	-	-	1	-	-	2	1	-	1	1	2	1.56
CO-2	3	2	1	-	-	1	-	-	2	1	-	1	1	2	1.56
CO-3	3	2	1	-	-	1	-	-	2	1	-	1	1	2	1.56
CO-4	3	2	1	-	-	1	-	-	2	1	-	1	1	2	1.56
CO-5	3	2	1	-	-	1	-	-	2	1	-	1	1	2	1.56
Target Level	3	2	1			1			2	1		1	1	2	1.56

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Mapping of Course Outcomes with Program Outcomes															
Engineering Chemistry Lab (KAS 152P/252P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	2	2	1	1	1	2	-	1	-	1	1	2	2	1.58
CO-2	3	2	1	2	2	1	1	-	1	-	1	1	2	2	1.58
CO-3	3	2	2	2	1	2	2	-	2	-	1	1	3	2	1.92
CO-4	3	2	2	1	1	2	2	-	2	-	1	1	3	2	1.83
CO-5	3	1	1	2	1	2	2	-	2	-	1	1	2	2	1.67
Target Level	3	1.8	1.6	1.6	1.2	1.6	1.8		1.6		1	1	2.4	2	1.71

Mapping of Course Outcomes with Program Outcomes															
Basic Electrical Engineering Lab (KEE 151P/ 251P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	2	2	2	3	1	1	-	1	-	1	-	2	2	2	1.73
CO-2	3	3	2	3	2	1	-	1	-	1	-	3	3	2	2.18
CO-3	3	3	3	3	3	2	-	2	-	2	-	3	3	3	2.73
CO-4	3	3	3	3	3	2	-	2	-	2	-	3	3	3	2.73
CO-6	2	2	2	2	1	3	-	1	-	2	-	2	2	1	1.82
Target Level	2.6	2.6	2.4	2.8	2	1.8		1.4		1.6		2.6	2.6	2.2	2.24

Mapping of Course Outcomes with Program Outcomes															
Electronics Engineering Lab (KEC 151P/ 251P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	3	3	2	2	-	-	-	-	-	-	2	-	-	2.50
CO-2	3	3	3	2	2	1	1	-	-	-	-	2	-	-	2.13
CO-3	3	3	3	2	2	1	1	-	-	-	-	3	-	-	2.25
CO-4	3	3	3	2	2	1	1	-	1	-	-	3	-	-	2.11
CO-5	2	2	2	3	3	3	3	1	2	2	2	3	-	-	2.33
Target Level	2.8	2.8	2.8	2.2	2.2	1.5	1.5	1	1.5	2	2	2.6			2.26

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Mapping of Course Outcomes with Program Outcomes															
Programming for Problem Solving Lab (KCS 151P/ 251P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	3	2	1	1	-	-	-	-	-	-	2	1	3	2.00
CO-2	3	3	2	1	1	-	-	-	-	2	2	2	1	2	1.90
CO-3	3	3	2	1	1	-	-	-	-	-	-	2	1	2	1.88
CO-4	3	3	3	1	1	-	-	-	-	-	-	2	1	-	2.00
CO-5	3	3	3	1	1	-	-	-	-	3	3	2	1	2	2.20
Target Level	3	3	2.4	1	1					2.5	2.5	2	1	2.25	2.00

Mapping of Course Outcomes with Program Outcomes for session 2020-21															
English Language Lab (KAS-154P/ 254P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1								1		3		2			2
CO-2								1		3		2			2.0
CO-3								1		3	1	2			1.75
CO-4								1		3		2			2.0
CO-5								1	1	3		2			1.8
Target Level								1.0	1.0	3.0	1.0	2.0			1.9

Mapping of Course Outcomes with Program Outcomes															
Engineering Graphics and Design Lab (KCE 151P/ 251P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	2	2	1	1	-	-	-	-	-	-	1	1	1	1.50
CO-2	3	3	2	2	1	-	-	-	-	-	-	1	1	1	1.75
CO-3	3	3	2	2	2	-	-	-	-	-	-	1	1	1	1.88
CO-4	3	3	3	2	3	-	-	-	-	-	-	1	2	1	2.25
CO-5	3	3	3	3	3	-	-	-	-	-	-	1	2	1	2.38
Target Level	3	2.8	2.4	2	2	0	0	0	0	0	0	1	1.4	1	

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Mapping of Course Outcomes with Program Outcomes															
Mechanical Workshop Lab (KWS 151P/ 251P)															
PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	CO Wise Target Level
CO-1	3	2	2	2	2							1	1	1	1.75
CO-2	3	2	2	2	2							1	1	1	1.75
CO-3	3	2	2	2	2							1	1	1	1.75
CO-4	3	2	2	2	2							1	1	1	1.75
CO-5	3	2	2	2	2							1	1	1	1.75
CO-6	3	2	2	2	2							1	1	1	1.75
CO-7	3	2	2	2	2							1	1	1	1.75
Target Level	3	2	2	2	2							1	1	1	1.75