



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION


Accredited by NBA and NAAC with 'A+' Grade.
 (Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)
 Medakwli, Meerpur, Salepur, Hyderabad, Telangana - 500 097

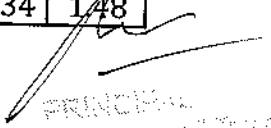
Phone: 810077790, email: info@tkrcees.ac.in, web site: www.tkrcees.ac.in



Department of Computer Science & Engineering

Course Code	Course Name	CO/PO	PO1	PO2	PO 3	PO 4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	CO-Attai nmen t		
D1HSE1	English for Skill Enhancement	C01							1	1.9	1.9	2.86		0.95			1.72		
		C02							0.8	1.7	1.7	2.52		1.68			1.68		
		C03								0.9	1.7	2.58		1.72				1.72	
		C04								0.8	0.8	1.6	2.4		1.6			1.44	
		C05									1.8		1.2		1.2			1.4	
		AVG								0.9	1.4	1.7	2.31		1.43				1.55
D1BSM1	Linear Algebra and Ordinary Differential Equations	C01	1.96	2.94	2.9													2.61	
		C02	1.64	1.64	2.5													1.91	
		C03	1.52	1.52	1.5	2.3													1.71
		C04	1.59	1.59	2.4	2.4													1.99
		C05	1.18	1.18	1.2	1.8													1.33
		AVG	1.58	1.77	2.1	2.1													
D1BSEC1	Engineering Chemistry	C01	2.7	1.8															2.25
		C02	1.32	1.32	1.3														1.32
		C03	1.36	1.36	1.4														1.19
		C04	2.22	2.22	2.2											0.68			1.92
		C05	1.2	1.2												1.48	1.48		1.2
		AVG	1.76	1.58	1.6													1.2	
														1.08	1.34			1.48	


DR. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.K.R. College of Engineering & Technology
 Meerpur, Hyderabad-500 097.

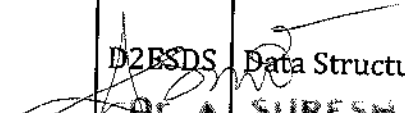

 PRINCIPAL
 T.K.R. College of Engineering & Technology
 (Autonomous)
 Meerpur, Hyderabad-500 097.

D1ESCP1	C Programming for Problem Solving	C01	1.71														1.71		
		C02	1.48														0.64	1.06	
		C03	1.42															1.42	
		C04	1.73	1.73	1.5													1.67	
		C05	1.79	1.79	1.2													1.59	
		AVG	1.63	1.76	1.4													0.64	1.35
D1ESITW1	IT Workshop and Elements of Computer Engineering	C01	2.58															2.58	
		C02	2.91	2.26														2.59	
		C03	2.91	2.91	2.9	2.9	2.3											2.78	
		C04	2.9	2.9	2.9	2.9	2.3											2.77	
		C05	2.9	2.9	2.9	2.9	2.3											2.77	
		AVG	2.84	2.74	2.9	2.9	2.3												2.73
D1ESCEG	Computer Aided Engineering Graphics	C01	1.75	0.877	1.8	0.9	1.8		0.9	1.8	1.8	1.75	0.88	1.75				1.43	
		C02	1.5	0.751	1.5	0.8	1.5		0.8	1.5	1.5	1.5	0.75	1.5				1.23	
		C03	1	0.499	1	0.5	1		0.5	1	1	1	0.5	1	0.5	0.5		0.77	
		C04	2.29	0.765	1.5	0.8	1.5		0.8	1.5	1.5	1.53	0.76	1.53				1.32	
		C05	1.32	0.66	1.3	0.7	1.3		0.7	1.3	1.3	1.32	0.66	1.32	0.66	0.66			1.01
		AVG	1.57	0.71	1.4	0.7	1.4		0.7	1.4	1.4	1.42	0.71	1.42	0.58	0.58			1.08
D1HSE2	English Language and Communication Skills Lab	C01		0.979						1	2.9	2.94		1.96				1.96	
		C02									2	2.94		1.96				2.29	
		C03								1	2	2.94		0.98				1.71	
		C04									2	2.93		0.98				1.96	
		C05								1	2	2.93		0.98				1.71	
		AVG		0.979						1	2.2	2.94		1.37					1.68
D1BSEC2	Engineering Chemistry Lab	C01	2.94	2.944		2.9								1.96				2.7	
		C02	2.95	2.951		3												2.95	
		C03	2.95	2.945		2.9												2.95	
		C04	2.94	2.938		2.9												2.94	
		C05	2.94	2.939		2.9												2.94	
		AVG	2.94	2.943		2.9									1.96				2.94

S. Swadesh RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 J. J. S. College of Engineering & Technology
 Meerpet, Hyderabad-500 027


Praveen
 Head, Library & Section I, A, B, C, D
 J. J. S. College of Engineering & Technology
 Meerpet, Hyderabad-500 027


D1ESCP3	C Programming for Problem Solving Lab	CO1	2.91	2.91	2.6													2.8	
		CO2	2.92	2.92	2.6														2.81
		AVG	2.91	2.91	2.6														2.8
DHSBF	Business Economics and Financial Analysis	CO1					1.6						1.57	1.05				1.4	
		CO2					1.4						1.4	0.94				1.25	
		CO3											1.27	0.84				1.06	
		CO4											1.19	1.19				1.19	
		CO5											1.18					1.18	
		AVG					1.4	1.6					1.32	1					1.32
D2BSM5	Statistical Methods and Vector Calculus	CO1	2.58	1.718														2.15	
		CO2	2.38	2.378	1.6													2.11	
		CO3	1.85	1.851	1.9													1.85	
		CO4	2.4	2.401	2.4													2.4	
		CO5	2.15	2.145														2.15	
		AVG	2.27	2.099	1.9														2.15
D2BSAP1	Applied Physics	CO1	2.25	2.251														2.1	
		CO2	2.04	2.038														2.25	
		CO3	1.89	1.893														2.04	
		CO4	1.65	1.653														1.89	
		CO5	1.72	1.718														1.65	
		AVG	1.91	1.911															1.72
D2ESBEE	Basic Electrical Engineering	CO1	2.26	2.262	2.3	1.5												1.91	
		CO2	2.21	2.213	2.2	1.5												2.07	
		CO3	1.8	1.798	1.8	1.2												2.03	
		CO4	1.8	1.804	1.8	1.2												1.65	
		CO5	2.06	2.055	2.1	1.4												1.65	
		AVG	2.03	2.026	2	1.4												1.88	
D2ESDS	Data Structures	CO1	2.94	1.96														1.86	
		CO2	2.08															2.45	
		CO3	2.1	1.4														2.08	
		CO4	2.23	2.23														1.75	
		CO5	1.98	1.32	1.3													2.23	
	AVG	2.27	1.73	1.3													1.54		
																	1.77		


DR. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.N.R. College of Engineering & Technology
 Nearpet, Hyderabad-500 097.

11/24/2023
 11/24/2023
 11/24/2023

D2BSAP2	Applied Physics Lab	C01	2.33	2.33														2.33	
		C02	2.33	2.33															2.33
		C03	2.33	2.33															2.33
		C04	2.33	2.33															2.33
		C05	2.33	2.33															2.33
		AVG	2.33	2.33															
D2ESBES	Basic Electrical and Simulation Lab	C01	2.84						2.8	2.5	1.89							2.52	
		C02	2.85						2.4									2.61	
		C03	2.84							1.9	1.89	1.89						2.13	
		C04	2.84						1.9			0.95	0.95					1.65	
		C05	2.83						1.9	1.9	2.2	0.94	0.94					1.78	
		AVG	2.84						2.2	2.1	2	1.26	0.94						1.9
D2ESDSL	Data Structures Lab	C01	2.34															2.34	
		C02	2.35															2.35	
		C03	2.34															2.34	
		C04	2.63	1.75	1.8														2.04
		AVG	2.41	1.75	1.8														1.97


 D. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T. Y. S. College of Engineering & Technology
 Meerpet, Hyderabad - 500 097.


 D. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T. Y. S. College of Engineering & Technology
 Meerpet, Hyderabad - 500 097.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NBA and NAAC with 'A' Grade.
(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)
Medchal, Meerpeta, Raipur, Hyderabad, Telangana - 500 097

Phone: 8100277260, email: info@tkr.ac.in, web site: www.tkr.ac.in



Department of Computer Science & Engineering

Course Code	Course Name	CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO-Attainment	
D3BSPS1	Probability and Statistics	CO1	2.31	1.8													2.06	
		CO2	2.61	1.7														2.18
		CO3	2.56	2												0.85		1.8
		CO4	2.34	2.1												1.56	1.56	1.88
		CO5	1.66													0.71	1.43	1.27
		AVG	2.3	1.9												1.04	1.49	1.68
D3ESSD1	Semiconductor Devices and Circuits	CO1	2.42	1.6													1.61	1.88
		CO2	2.41														1.61	2.01
		CO3	2.5	2.5	1.7												1.67	2.09
		CO4	2.27	2.3	1.5												1.51	1.89
		CO5	2.5	1.7												1.67	1.67	1.88
		AVG	2.42	2	1.6											1.67	1.61	1.86
D3ESPP2	Python Programming	CO1	2	1.3														1.67
		CO2	1.41	1.4	1.4													1.41
		CO3	1.01	1	1											0.51		0.89
		CO4	2.01	2	2											1.34	1.34	1.74
		CO5	1.21	1.2													1.21	1.21
		AVG	1.53	1.4	1.5											0.92	1.27	1.32
D73PC1	Mathematical Foundations of Computer Science	CO1	2.23	2.2	2.2												1.49	2.05
		CO2	1.34	1.3	1.3												1.34	1.34
		CO3	1.26	1.3	1.3												1.26	1.26
		CO4	2.04	2	2												1.36	1.87
		CO5	1.22	1.2	1.2												1.22	1.22
		AVG	1.62	1.6	1.6												1.33	1.55

Dr. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.K.R. College of Engineering & Technology
 Meerpeta, Hyderabad-500 097.

[Signature]
 Date: _____
 Page No: _____
 Approved: _____

D73PC2	Computer Architecture and Organization	CO1	2.43															1.62	2.03				
		CO2	1.51																	1.51			
		CO3	1.74	1.7															1.74	1.74			
		CO4	2.17	1.4															1.44	1.68			
		CO5	1.55	1															1.03	1.2			
		AVG	1.88	1.4																1.46	1.58		
D73PC3	Computer Networks	CO1	2.29	2.3			0.8			0.76	0.76								2.29	1.53			
		CO2	2.29	2.3						0.76	0.76								2.29	1.68			
		CO3	2.29	1.5							0.76								2.29	1.83			
		CO4	2.29	1.5							0.76								2.29	1.83			
		CO5	1.53	0						0.76		0.76							2.29	1.37			
		AVG	2.14	1.9			0.8		0.76	0.76	0.76								2.29	2.14	1.44		
D3ESPP5	Python Programming Lab	CO1	2.92	2.9	2														2.92	1.95	2.53		
		CO2	2.91	2.9	1.9	1.9													2.91	1.94	2.43		
		CO3	2.91	2.9	1.9	1.9													2.91	1.94	2.43		
		CO4	2.9	2.9	1.9														2.9	1.94	2.52		
		AVG	2.91	2.9	1.9	1.9													2.91	1.94	2.43		
D3ESSD2	Semiconductor Devices and Circuits Lab	CO1					2.88			1.92	2.88								1.92	1.92	2.3		
		CO2					2.98		1.98	1.98	2.98									1.98	2.38		
		CO3					2.88		2.88	1.92	2.88									1.92	2.5		
		CO4					2.98		2.98	1.98	2.98									1.98	2.58		
		AVG					2.93		2.61	1.95	2.93									1.92	1.95	2.38	
D74PC4	Object Oriented Programming through Java	CO1	2.33				1.55												1.92	1.95	2.38		
		CO2	1.88	1.9	1.9		1.25														1.94		
		CO3	2				1.33												1.25	1.25	1.57		
		CO4	1.91	1.9	1.9																	1.66	
		CO5	1.63								1.27	1.27										1.65	
		AVG	1.95	1.9	1.9		1.38				1.09	1.09		1.09	1.09							1.2	
D74PC5	Design and Analysis of Algorithms	CO1	2.93	2.9																	1.25	1.44	
		CO2	2.41																			2.93	
		CO3	2.14																			2.41	
		CO4	2.73	2.7	2.7																	2.14	
		CO5	2.8	1.9																			2.73
		AVG	2.6	2.5	2.7																		2.33
																						2.61	

Dr. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.R.R. College of Engineering & Technology
 Warangal, Hyderabad-500 067.

(Signature)
 PRINCIPAL
 T.R.R. COLLEGE OF ENGINEERING & TECHNOLOGY
 Warangal, Hyderabad-500 067.

D74PC6	Database Management Systems	CO1	2.94	2	2														1.96	2.21						
		CO2	2.23	2.2	1.5																1.99					
		CO3	2.09	1.4																	1.74					
		CO4	2.07	1.4					1.38												1.38	1.55				
		CO5	2.08	1.4	1.4																1.38	1.56				
		AVG	2.28	1.7	1.6				1.38												1.58	1.7				
D74PC7	Software Engineering	CO1	2.6	2.6			1.7								0.87					1.58	1.7					
		CO2	2.04	2			1.4														1.95					
		CO3	2.2	2.2	1.5	1.5	1.47							1.36	0.7					1.36	1.48					
		CO4	2.23	1.5		1.5	1.49							1.47							0.73	1.57				
		CO5	1.95	1.3		0.6	0.65				0.74	1.49										1.49				
		AVG	2.2	1.9	1.5	1.3	1.2					0.65										1.04				
D74PC8	Web Technologies	CO1	1.91	1.9	1.9										0.74	1.24	0.7	0.87			1.05	1.27				
		CO2	1.51	1.5	1.5										1.27	1.27				1.27	1.27	1.55				
		CO3	1.83	1.8	1.8	1.2	1.22							1.51	1.51					1.51	1.51	1.51				
		CO4	2.09	2.1	2.1									1.22	1.22			1.22	1.22	1.22	1.22	1.4				
		CO5	1.25	1.2	1.2	1.2								1.4	1.4					1.4	1.4	1.69				
		AVG	1.72	1.7	1.7	1.2	1.22							1.25	1.25			1.25	1.25	1.25	1.25	1.25	1.25			
D74PC9	Database Management Systems Lab	CO1	2.28	2.3	2.3																	2.28				
		CO2	2.29	2.3	1.5															1.53			1.91			
		CO3	2.28	2.3	2.3																		2.28			
		AVG	2.28	2.3	2																			2.28		
D74PC10	Object Oriented Programming through Java Lab	CO1	2.63				2.63												1.53				2.03			
		CO2	2.64				2.64																	2.63		
		CO3	2.63				2.63																	2.64		
		CO4	2.63				2.63																	2.63		
		AVG	2.63				2.63																	2.63		
D4HSE3	Advanced English Communication Skills Lab	CO1	2.93	2.9	2.4	2	1.95																	2.63		
		CO2	2.94	2.9																					2.44	
		CO3	2.94	2.9				1.96	2																2.94	
		CO4	1.96	2																					2.45	
		CO5	2.93	2	2.9										1.96	2									1.96	
		AVG	2.74	2.5	2.7	2	1.96	2							1.95		0.98								2.15	
D74PC11	Web Technologies Lab	CO1	2.87	2.9	1.9		1.92																		2.63	
		CO2	2.88	2.9	1.9										1.92	1.92	1.9	1.92	1.92	1.92	1.92	1.92			2.08	
		CO3	2.87	2.9	1.9		1.92								1.92	1.92					1.92	1.92	1.92			2.11
		AVG	2.88	2.9	1.9		1.92								1.92	1.92	1.9	1.92	1.92	1.92	1.92	1.92	1.92	1.92		
														1.92	1.92	1.9	1.92	1.92	1.92	1.92	1.92	1.92	1.92			2.11
														1.92	1.92	1.9	1.92	1.92	1.92	1.92	1.92	1.92	1.92			2.11

D74PC11
Dr. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.R.R. College of Engineering & Technology
 Meerpeta, Hyderabad-500 097.

Smr

[Handwritten Signature]
 Engineer & Teacher
 T.R.R. College of Engineering & Technology
 Meerpeta, Hyderabad-500 097.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NBA and NAAC with 'A+' Grade.
 (Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)
 Medbowli, Meerpeta, Batepur, Hyderabad, Telangana - 500 097

Phone: 9100877790, email: info@tkrcees.ac.in, web site: www.tkrcees.ac.in



Department of Computer Science & Engineering

Course Code	Course Name	CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO-Attainment				
C55PC1	Object Oriented Analysis and Design	CO1	2.64														1.76	2.2			
		CO2	2.54	2.54	2.54							1.69					1.69	2.2			
		CO3	2.47	2.47	1.65													1.65	2.06		
		CO4	2.21	2.21	1.47								1.47					1.47	1.77		
		CO5	2.56	2.56	1.71									1.71	1.71			1.71	2.56	2.07	
		AVG	2.48	2.45	1.84								1.7	1.59				1.7	2.56	2.07	
C55PC2	Python Programming	CO1	2.88	2.88	1.92											1.7	1.86	1.95			
		CO2	2.87	2.87	2.87	1.92											2.88	2.88	2.69		
		CO3	2.86	2.86	2.86	1.91												2.87	2.87	2.71	
		CO4	2.86	2.86	1.91													2.86	1.91	2.54	
		CO5	2.81	2.81	2.81														2.86	2.62	
		AVG	2.86	2.86	2.47	1.91												2.81	2.81	2.81	
C55PC3	Computer Networks	CO1	2.72	2.72				0.91				0.91	0.91				2.86	2.67	2.61		
		CO2	2.45	2.45														2.72	1.82		
		CO3	2.41	1.6									0.82	0.82				2.45	1.8		
		CO4	2.53	1.68														2.41	2.41	1.93	
		CO5	1.73															2.53	2.53	2.02	
		AVG	2.37	2.11								0.87		0.87				2.6	1.73	1.56	
C55PC4	Compiler Design	CO1	2.65	1.76							0.91		0.87	0.86	0.85			2.51	2.37	1.61	
		CO2	2.02	2.02	2.02														2.65	2.35	
		CO3	2.25	2.25	1.5														1.35	2.02	1.89
		CO4	2.11	2.11	2.11															2.25	2.06
		CO5	2	2	1.34															1.41	1.94
		AVG	2.2	2.03	1.74														2	2	1.87

Dr. A. SURESH RAO
 HEAD OF THE DEPARTMENT

Dept. of Computer Science & Engineering
 T.K.R. College of Engineering & Technology
 Meerpeta, Hyderabad-500 097.

[Signature]

Medbowli, Meerpeta, Hyderabad-500097.

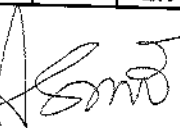
C55PE5	Artificial Intelligence	C01	2.53												1.69	2.11		
		C02	1.57													1.57	1.57	
		C03	2.26	1.5												1.5	1.75	
		C04	1.58													1.58	1.58	
		C05	2.35	1.57												1.57	1.83	
		AVG	2.06	1.54												1.58	1.73	
C55OE6	Open Elective I	C01	1.63		1.09		1.09	0.54	1.63	1.09		1.09		1.09	0.54	1.09		
		C02	1.49	1		1		0.5	1		1		0.5	1.49	1	1		
		C03	0.79	0.79	0.79	0.39			1.18		0.39	1.18	0.79	0.39	0.79	0.75		
		C04	1.2	1.2	0.8	1.2	0.4		0.8	0.4	0.8		1.2	0.8	0.8	0.87		
		C05	0.75	0.75	0.37	0.75	0.75	1.12	0.75	0.75	0.37	0.75	0.75	1.12	0.75	0.75		
		AVG	1.17	0.93	0.76	0.84	0.75	0.72	1.07	0.75	0.64	1.01	0.81	0.98	0.78	0.86		
C55PC7	Object Oriented Analysis and Design Lab	C01	2.85	1.9												2.38		
		C02	2.86	2.86	1.91												2.54	
		C03	2.85	2.85	2.85	2.85	1.9								1.9		2.53	
		AVG	2.86	2.54	2.38	2.85	1.9											
C55PC8	Python Programming Lab	C01	2.92	2.92	1.95										1.9		2.41	
		C02	2.91	2.91	1.94	1.94									2.92	1.95	2.53	
		C03	2.91	2.91	1.94	1.94									2.91	1.94	2.43	
		C04	2.9	2.9	1.94											2.9	1.94	2.52
		AVG	2.91	2.91	1.94	1.94										2.91	1.94	2.43
C55PW9	Project I	C01	2.93	2.93											2.93	2.93		
		C02	2.96	2.96	2.96										2.96	2.96	2.96	
		C03															####	
		C04															####	
		C05															####	
		AVG	2.95	2.95	2.96											2.96	2.95	2.95
CHSM2	Fundamentals of Management	C01	2.92	2.27				1.95							2.27		2.35	
		C02	2.87	1.91													2.39	
		C03	2.78	2.16													2.04	
		C04	2.9	2.58								2.58	1.93	1.93		1.93	1.93	2.25
		C05	2.19													0.94	1.88	1.67
		AVG	2.73	2.23					1.95			2.58	1.93	2.22	1.85	1.27	1.91	2.07

Dr. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.R.R. College of Engineering & Technology
 Meerpet, Hyderabad-500 097.

T.R.R. College of Engineering & Technology
 (Autonomous)
 Meerpet, Hyderabad-500097


C56PC1	Data Warehousing and Data Mining	CO1	2.68	2.68											1.79	1.79	2.24	
		C02	1.67													1.67	1.67	1.67
		C03	2.66					0.89								1.78	1.78	1.78
		C04	2.23	1.49						0.74	0.74	0.74				1.49	1.49	1.27
		C05	2.42	2.42						0.81	0.81	0.81				1.61	1.61	1.5
		AVG	2.33	2.2	0	0	0	0.89	0	0.78	0.78	0.78	0	0		1.67	1.67	1.39
C56PC2	Web Technologies	CO1	2.29	2.29	2.29		2.29		1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.78
		C02	2.45				2.45			1.64	1.64	1.64				1.64	1.64	1.87
		C03	2.26	2.26			2.26			1.5	1.5	1.5				1.5	1.5	1.79
		C04	2.17	2.17	2.29		2.17			1.45	1.45	1.45				1.45	1.45	1.78
		C05	1.65				2.13			1.42	1.42	1.42				1.42	1.42	1.55
		AVG	2.17	2.24	2.29		2.26		1.53	1.51	1.51	1.51	1.53	1.53	1.51	1.51	1.51	1.76
C56PE3	Machine Learning	CO1	2.34	1.56										2.34			2.08	
		C02	2.15	1.44	1.44									2.15	0.72	0.72	1.44	
		C03	2.17	1.45			1.45							2.17	0.72	1.45	1.57	
		C04	2.06	1.37			1.37							2.06	1.37	1.37	1.6	
		C05	2.21	1.47			1.47							2.21	2.21	2.21	1.96	
		AVG	2.19	1.46	1.44		1.43							2.19	1.26	1.44	1.63	
C56PE4	Deep Learning	CO1	2.28	2.28	1.52	1.52				1.52	1.52			1.52	1.52	1.52	1.69	
		C02	1.91	1.91	1.27	1.27				1.27	1.27			1.27	1.91	1.27	1.48	
		C03	1.52	1.52	1.01	1.01				1.01	1.01			1.01	1.01	1.01	1.12	
		C04	1.72	1.72	1.15	1.15				1.15	1.15			1.15	1.15	1.15	1.28	
		C05	1.72	1.15						1.15	1.15			1.15			1.26	
		AVG	1.83	1.72	1.24	1.24				1.22	1.22			1.22	1.4	1.24	1.37	
CHSE3	Advance Communication Skills Lab	CO1	2.93	2.93	2.44	1.95	1.95										2.44	
		C02	2.94	2.94													2.94	
		C03	2.94	2.94			1.96	1.96									2.45	
		C04	1.96	1.96								1.96	1.96				1.96	
		C05	2.93	1.95	2.93							1.95		0.98			2.15	
		AVG	2.74	2.54	2.69	1.95	1.96	1.96				1.96	1.96	0.98			2.08	
C56PC5	Data Warehousing and Data Mining Lab	CO1	2.9	2.9												1.93	2.58	
		C02	2.91													1.94	2.43	
		C03	2.9													1.93	2.42	
		AVG	2.9	2.9												1.94	2.58	


Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.X.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.



Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.X.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.

C56PC6	Web Technologies Lab	C01	2.9	2.9	2.9												2.9	
		C02	2.9	2.9	2.26													2.69
		C03	2.9	2.9	2.25													2.68
		C04	2.89	2.89	2.25													2.68
		AVG	2.9	2.9	2.41													2.74
C56PW7	Project -II	C01															####	
		C02															####	
		C03	2.94	2.94	2.94	2.94	2.94								1.96	1.96	2.66	
		C04	2.94	2.93												2.94	2.94	
		C05	2.94								2.94	2.94	2.94	2.94	2.94		1.96	2.8
		AVG	2.94	2.93	2.94	2.94	2.94				2.94	2.94	2.94	2.94	2.94	1.96	2.28	2.8


 DR. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 J.K.S. College of Engineering & Technology
 Meerpet, Hyderabad-500 097.


 DR. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 J.K.S. College of Engineering & Technology
 Meerpet, Hyderabad-500 097.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NBA and NAAC with 'A' Grade.
 (Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)
 Medhvit, Meerpeta, Safapur, Hyderabad, Telangana - 500 097



Phone: 91208777240, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in

Department of Computer Science & Engineering

Course Code	Course Name	CO/PO	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	CO-Attainment
C57PC1	Linux Programming	CO1	2.4	2.4	2.4	1.6						0.8		0.8	2.4	2.4	1.9
		CO2	2.71	2.71	2.71	1.81						0.9		0.9	2.71	2.71	2.145
		CO3	2.59	2.59	2.59	1.72						0.86		0.86	2.59	2.59	2.049
		CO4	2.56	2.56	2.56	1.71						0.85		0.85	2.56	2.56	2.026
		CO5	2.56	2.39	2.56	1.6						0.8		0.8	2.56	2.39	1.958
		AVG	2.56	2.53	2.56	1.69						0.84		0.84	2.56	2.53	2.014
C57PC2	Information Security	CO1	2.70	2.70	1.80										2.70	1.80	2.34
		CO2	2.51	2.51	1.67	1.67									2.51	1.67	2.09
		CO3	2.45	2.45	1.63	1.63									2.45	1.63	2.04
		CO4	2.65	2.65	1.77	1.77									2.65	1.77	2.21
		CO5	2.11	2.11	1.41	1.41									2.11	1.41	1.76
		AVG	2.48	2.48	1.66	1.62									2.11	1.41	1.76
C57PE3A	Big Data Analytics	CO1	2.64	1.76		1.76	2.64								2.48	1.66	2.063
		CO2	2.30	2.30			1.53				0.77				0.88	2.64	2.053
		CO3	2.37	2.37					2.37						0.77	2.30	1.662
		CO4	1.99			1.99	1.99				0.66			0.79	0.79	2.37	1.843
		CO5	2.26	2.26	2.26		1.51						1.51	2.26	1.33	1.33	1.548
		AVG	2.31	2.17	2.26	1.87	1.92	2.37			0.71		1.51	1.53	1.51	2.26	1.979
C57PE3F	Mobile Application Development	CO1	2.75	2.75											1.05	2.18	1.807
		CO2	1.83													1.83	2.443
		CO3	1.71													1.83	1.83
		CO4	2.62	2.62												1.71	1.71
		CO5	1.66													1.75	2.33
		AVG	2.12	2.69												1.66	1.66
														1.76	2.19		

Dr. A. SURESH RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 T.K.R. College of Engineering & Technology
 Meerpeta, Hyderabad-500 097.


AUTONOMOUS
 (TKRCEET), Meerpeta, Hyderabad-500097


C57PE4A	Predictive Analytics	C01	1.65	2.48										1.65	1.65	1.858	
		C02	1.57	2.35											1.57	1.57	1.765
		C03	1.5	2.25											1.5	1.5	1.688
		C04	1.59	2.38											1.59	1.59	1.788
		C05	1.38	2.07	2.07										1.38	1.38	1.656
		AVG	1.54	2.31	2.07										1.54	1.54	1.8
C57PE4F	Internet of Things	C01	1.76													1.76	
		C02	1.78												1.78	1.78	
		C03	1.66													1.66	
		C04	2.59	2.59	2.59	2.59			1.73						1.73		2.303
		C05	2.52	2.52	1.68	1.68									1.68		2.016
		AVG	2.06	2.56	2.14	2.14			1.73						1.73		2.06
C57OE5	Information Theory and Coding	C01	2.71	2.71												2.71	
		C02	2.65	2.65												2.65	
		C03	2.54	1.69												2.115	
		C04	2.49	1.66												2.075	
		C05	1.97	1.31												1.64	
		AVG	2.47	2.01												2.24	
C57PC6	Linux Programming Lab	L01	2.85	2.85	2.85	2.85					0.95	0.95		0.95	1.90	1.90	2.005
		L02	2.86	2.86	2.86	1.91					0.95	0.95		0.95	1.91	1.91	1.907
		L03	2.85	2.85	1.90	1.90					0.95	0.95		0.95	1.90	1.90	1.796
		AVG	2.85	2.85	2.54	2.22					0.95	0.95		0.95	1.90	1.90	1.901
C57PC7	Information Security Lab	L01	2.95	2.95	1.97										2.95	1.97	2.558
		L02	2.94	2.94	1.96										2.94	1.96	2.548
		L03	2.94	2.94	1.96										2.94	1.96	2.548
		AVG	2.95	2.95	1.96										2.95	1.96	2.554
C57PW9	Major Project Phase-I	RU1	1.33	1.33												1.33	1.331
		RU2	1.36	1.36	1.36										1.36	1.36	1.362
		RU3															
		RU4															
		RU5															
		AVG	1.35	1.35	1.36											1.36	1.35

Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.

[Handwritten signature]
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.

C58PE1A	Data Science	CO1	2.66	0.89			1.77				1.77				1.77	1.77	1.77																				
		CO2	1.73	1.73	1.73			2.59								0.86		2.59	1.873																		
		CO3	2.44	1.63				0.81	0.81							1.63		0.81	1.63	2.44	1.528																
		CO4	2.38	1.59	1.59	0.79	1.59									2.38				1.59	2.38	1.786															
		CO5	2.28	1.52	1.52	0.76	2.28									2.28	2.28	1.52	0.76	1.52	2.28	1.731															
		AVG	2.30	1.47	1.61	0.78	1.81	0.81								2.15	1.96	1.52	0.81	1.63	2.30	1.596															
C58PE1F	Stack Technologies	CO1	2.7	2.7	1.8	1.8	1.8													2.7	1.8	2.186															
		CO2	2.54	2.54	2.54	1.69	1.69														2.54	1.69	2.176														
		CO3	2.51	2.51	2.51	1.67	1.67														2.51	1.67	2.15														
		CO4	2.46	2.46	2.46	1.64	1.64														2.46	1.64	2.109														
		CO5	2.43	2.43	2.43	1.62	1.62														2.43	1.62	2.083														
		AVG	2.53	2.53	2.35	1.68	1.68														2.43	1.62	2.083														
C58OE3	Renewable Energy Systems	CO1	2.79	1.86																			2.325														
		CO2	1.68	1.68	1.68																			1.68													
		CO3	1.71	1.71	1.71																				0.86	1.498											
		CO4	2.56	2.56	2.56																				1.71	1.71	2.22										
		CO5	1.24	1.24																							1.24	1.24									
		AVG	2	1.81	1.98																						1.24	1.24									
C58OE2	Geo Informatics	CO1	2.81				2.81	1.88							1.88											1.28	1.47	1.708									
		CO2	1.85		2.78		1.85	1.85	1.85							1.88	1.88	1.88										2.19									
		CO3	0.84		1.68		2.52	1.68	2.52							1.85	1.85	2.78										2.083									
		CO4	0.9		1.8		1.8									1.68	1.68											1.867									
		CO5	0.8				1.61	1.61	1.61							1.8												1.8	1.62								
		AVG	1.44		2.8		2.12	1.75	1.990							1.61													1.475								
C58PW4	Major Project Phase II	RU1																																			
		RU2																																			
		RU3	2.89	2.89	2.89	2.89	2.89																														
		RU4	2.89	2.88																																	
		RU5	2.89																																		
		AVG	2.89	2.88	2.89	2.89	2.89									2.89	2.89	2.89	2.89	2.89	2.89																


 DR. A. SRINIVAS RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 C.K.R. College of Engineering & Technology
 Uppal, Hyderabad-500 097.


 DR. A. SRINIVAS RAO
 HEAD OF THE DEPARTMENT
 Dept. of Computer Science & Engineering
 C.K.R. College of Engineering & Technology
 Uppal, Hyderabad-500 097.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU(H))

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377200, email: info@tkr.edu.in, web site: www.tkrceet.edu.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Probability and Statistics

Subject Code: D3BSPS1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	0.90	0.60												
CO2	1.30	1.30	1.30											
CO3														
CO4														
CO5														
AVG	1.10	0.95	1.30											

Subject Name: Python Programming

Subject Code: D3ESPP2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.29	1.52												
CO2	1.10	1.10	1.10											
CO3													1.12	1.12
CO4	1.67	1.67	1.67											1.07
CO5	1.07	1.07											1.12	1.09
AVG	1.53	1.34	1.39										1.12	1.09

Subject Name: Semiconductor Devices and Circuits

Subject Code: D3ESSD1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	1.91												1.91
CO2	2.85													1.90
CO3	2.65	2.65	1.77											1.77
CO4	2.70	2.70	1.80											1.80
CO5	2.82	1.88											1.88	1.88
AVG	2.78	2.29	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	1.85

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade
(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)
Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097
Phone: 9100122290, email: info@tkrceet.ac.in, website: www.tkrceet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Code: D73PC1

Subject Name: Mathematical Foundations of Computer Science

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.29	1.52												
CO2	1.10	1.10	1.10											
CO3													1.12	1.12
CO4	1.67	1.67	1.67											1.07
CO5	1.07	1.07											1.12	1.09
AVG	1.53	1.34	1.39											

Subject Code: D73PC2

Subject Name: Computer Architecture and Organization

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.98	1.32												
CO2	1.18	1.18	1.18											
CO3														
CO4														
CO5														
AVG	1.58	1.25	1.18											

Subject Code: D73PC3

Subject Name: Computer Networks

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1														
CO2														
CO3													1.15	1.15
CO4	1.73	1.73	1.73											1.22
CO5	1.22	1.22											1.15	1.19
AVG	1.48	1.48	1.73											

6/5

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU(H))

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377290, email: info@tkrcet.ac.in, website: www.tkr.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Python Programming Lab

Subject Code: D3ESPP5

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	1.96										2.93	1.96
LO2	2.94	2.94	1.96	1.96									2.94	1.96
LO3	2.94	2.94	1.96	1.96									2.94	1.96
LO4	2.93	2.93	1.95										2.93	1.95
AVG	2.94	2.94	1.96	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	1.96

Subject Name: Semiconductor Devices and Circuits Lab

Subject Code: D3ESSD2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.93			1.96						
LO2					2.94		1.96	1.96	2.94	2.94				
LO3					2.94		2.94	1.96	2.94	2.94				
LO4					2.93		2.93	1.95	2.93	2.93				
AVG	0.00	0.00	0.00	0.00	2.94	0.00	2.61	1.96	2.94	2.94	0.00	0.00	0.00	0.00


Subject Name: Advanced English Communication Skills Lab

Subject Code: D4HSE3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.45	1.96	1.96									
LO2	2.94	2.94												
LO3	2.94	2.94			1.96	1.96								
LO4	1.95	1.95								1.95	1.95			
LO5	2.93	1.95	2.93							1.95		0.98		
AVG	2.74	2.54	2.69	1.96	1.96	1.96	0.00	0.00	0.00	1.95	1.95	0.98	0.00	0.00

AS

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377290, email: info@tkret.ac.in, web site: www.tkret.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

(2023-24)

Subject Name: Object Oriented Programming through Java

Subject Code: D74PC4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.19	1.46												
CO2	1.20	1.20	1.20											
CO3	1.07	1.07	1.07										0.54	
CO4	1.63	1.63	1.63										1.08	1.08
CO5	1.03	1.03												1.03
AVG	1.42	1.28	1.30										0.81	1.06

Subject Name: Design and Analysis of Algorithms

Subject Code: D74PC5

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.62	1.08												
CO2	1.03	1.03	1.03											
CO3														
CO4														
CO5														
AVG	1.33	1.06	1.03											

Subject Name: Database Management Systems

Subject Code: D74PC6

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.89	1.26												
CO2	1.26	1.26	1.26											
CO3	1.12	1.12	1.12										0.56	
CO4	1.77	1.77	1.77										1.18	1.18
CO5	1.29	1.29												1.29
AVG	1.47	1.34	1.38										0.87	1.23

KS



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU(H))

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100777590, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Software Engineering

Subject Code: D74PC7

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.62	1.08												
CO2	1.08	1.08	1.08											
CO3														
CO4														
CO5														
AVG	1.35	1.08	1.08											

Subject Name: Web Technologies

Subject Code: D74PC8

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.19	1.46												
CO2	1.26	1.26	1.26											
CO3														
CO4														
CO5														
AVG	1.72	1.36	1.26											

BS

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkracet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Database Management Systems Lab

Subject Code: D74PC9

LO1	2.85	2.85	2.85	2.85	2.54				2.54	1.9				
LO2	2.86	2.86	2.86	2.86	1.91									
LO3	2.85	2.85												
LO4	2.85	2.85	2.85	2.85	2.21									
AVG	2.85	2.85	2.85	2.85	2.22				2.54	1.9				

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with "A" Grade

(Sponsored by TKR Educational Society, Approved by AKTE, Affiliated to JNTU(H))

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 0100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Object Oriented Programming Through Java Lab

Subject Code: D74PC10

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	1.96	2.93	1.96				2.61	1.96			2.93	
LO2	2.94	2.94	1.96	2.94	1.96									1.96
LO3	1.96	2.94												
AVG	2.61	2.94	1.96	2.94	1.96	0.00	0.00	0.00	2.61	1.96	0.00	0.00	2.93	1.96

Subject Name: Web Technologies Lab

Subject Code: D74PC11

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.93	2.93	2.61				2.61	1.96				
LO2	2.94	2.94	2.94	2.94	1.96									2.94
LO3	2.94	2.94												2.94
LO4	2.93	2.93	2.93	2.93	2.28									
AVG	2.94	2.94	2.94	2.94	2.28	0.00	0.00	0.00	2.61	1.96	0.00	0.00	0.00	2.94

Subject Name: Introduction to AI & Neural Networks

Subject Code: C75PC1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.76	1.67	1.76	0.00										
CO2	1.67	1.67	2.28	2.76										
CO3	2.29	1.67	1.96	1.67									2.96	1.76
CO4	1.67	2.67	1.67	2.67									1.67	
CO5	2.20	2.67	2.67	1.67										1.96
AVG	1.92	2.07	2.07	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	1.86

KS



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H.

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377290, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Natural Language Processing

Subject Code: C75PC

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	0.98	1.77	2.6											
CO2			2.6	1.78										
CO3		1.77	2.6											
CO4			2.6	1.78									2	
CO5			2.6	1.78										1
Average	0.98	1.77	2.6	1.78	0	0	0	0	0	0	0	0	2	1

Subject Name: Introduction to Machine Learning

Subject Code: C75PC4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	1.92		1.92								2.87	2.87	2.87
CO2	2.86	1.91	2.86	2.86								2.86	2.86	2.86
CO3	2.49	1.66		2.49	2.49							2.49	2.49	1.66
CO4	2.64	1.76		2.64	2.64							2.64	1.76	1.76
CO5	2.73	1.82		1.82	2.73							2.73	2.73	2.73
AVG	2.72	1.81	2.86	2.35	2.62	0.00	0.00	0.00	0.00	0.00	0.00	2.72	2.54	2.38

Handwritten initials

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097

Handwritten signature
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to (NTU H)

Medbowli, Meerpeta, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377290, email: info@tkrce.ac.in, web site: www.tkrce.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

(2023-24)

Subject Name: Distributed Databases

Subject Code: C75PE5

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1		0.24							0.16	0.16				
CO2														
CO3		0.48							0.32	0.32			0.32	0.32
CO4		0.48							0.32	0.32			0.32	0.32
CO5		0.48							0.32	0.32			0.32	
Average	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.00	0.00	0.32	0.32

Subject Name: Smart Grid Technologies

Subject Code: C75OE6

sCO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	0.00	0.00	0.00											
CO2	0.00		0.00	0.00									0.00	0.00
CO3		0.48	0.32											0.32
CO4			0.21	0.08	0.16									0.16
CO5	0.00		0.00											
Average	0.00	0.24	0.10	0.04	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16

Principal



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AKTE, Affiliated to JNTU-H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100477290, email: info@tkrcet.ac.in, web site: www.tkracet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: ML Lab Using Python

Subject Code: C75PC7

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.93	2.93	1.96				2.61	1.96			2.93	2.93
LO2	2.94	2.94	2.94	2.94	1.96								2.94	2.94
AVG	2.94	2.94	2.94	2.94	1.96	0.00	0.00	0.00	2.61	1.96	0.00	0.00	2.94	2.94

Subject Name: Natural Language Processing Lab

Subject Code: C75PC8

LO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	0.57	0.57	0.28											
LO2	0.85	0.85	0.57										0.57	
LO3	0.86	0.86	0.86											0.57
LO4	0.85	0.85	0.85	0.85									0.57	0.57
Average	0.78	0.78	0.64	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.57

Subject Name: Project I

Subject Code: C75PW9

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1	2.93	2.93												2.93
RU2	2.94	2.94	2.94										2.94	2.94
RU3														
RU4														
RU5														
AVG	2.94	2.94	2.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	2.94

KS

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to INTUJH)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in

**Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
(2023-24)****Subject Name:** Fundamentals of Management**Subject Code:** CHSM2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	2.23				1.92					2.23			
CO2	2.86	1.91												
CO3	2.49	1.94								1.66	2.22	1.66	0.83	
CO4	2.64	2.35							2.35	1.76	1.76		1.76	1.76
CO5	2.12												0.91	1.82
AVG	2.60	2.11	0.00	0.00	0.00	1.92	0.00	0.00	2.35	1.71	2.07	1.66	1.17	1.79

Subject Name: Data Warehousing and Data Mining**Subject Code:** C76PC1s

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.67	1.67	2.26	1.67										
CO2	2.67	1.67	2.28	1.67										
CO3	2.29	2.67	1.96	1.67									1.67	1.67
CO4	1.67	2.67	1.67	2.67									1.67	2.67
CO5	2.20		2.78	1.67									2.67	1.96
AVG	2.10	2.17	2.19	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.10

Subject Name: Advanced Computer Vision**Subject Code:** C76PC2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	2.87		2.87		1.92							2.87	
CO2	2.86	1.91											2.86	2.86
CO3	2.49	2.49		2.49		2.49								
CO4	2.64	2.64		2.64										
CO5	2.12													
AVG	2.60	2.48	0.00	2.67	0.00	2.20	0.00	0.00	0.00	0.00	0.00	0.00	2.87	2.86



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Cryptography

Subject Code: C76PE3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.84	2.84	2.84											
CO2	2.53	2.25												
CO3	2.56	2.56												
CO4	2.59	2.31												
CO5	2.29	2.29	1.78		2.29	0.76								
AVG	2.56	2.45	2.31	0.00	2.29	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subject Name: Network Security

Subject Code: C76PE4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	2.23		2.87										2.87
CO2	2.86	1.91												
CO3	2.49	1.94		2.49									1.66	2.49
CO4	2.64	2.35												1.76
CO5	2.12													1.82
AVG	2.60	2.11	0.00	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.24

Subject Name: Advanced English Communication Skills

Subject Code: CHSE3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.45	1.96	1.96									
LO2	2.94	2.94												
LO3	2.94	2.94			1.96	1.96								
LO4	1.95	1.95								1.95	1.95			
LO5	2.93	1.95	2.93							1.95		0.98		
AVG	2.74	2.54	2.69	1.96	1.96	1.96	0.00	0.00	0.00	1.95	1.95	0.98	0.00	0.00

KS



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

(2023-24)

Subject Name: Data Warehousing and Data Mining Lab

Subject Code: C76PC5

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	3										
CO2	2	1	2	2										
CO3	3	2	1	2									1	3
CO4	2	3	2	3									2	2
CO5		3	3	2									3	3
AVG	2.50	2.20	2.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.67

Subject Name: Advanced Computer Vision Lab

Subject Code: C76PC6ss

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.93	2.93	2.61				2.93	2.93				2.93
LO2	2.94	2.94	2.94	2.94	1.96									2.94
AVG	2.94	2.94	2.94	2.94	2.29	0.00	0.00	0.00	2.93	2.93	0.00	0.00	0.00	2.94

Subject Name: Project II

Subject Code: C76PW7

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1														
RU2														
RU3	2.65	2.65	2.65	2.65	2.65								1.77	1.77
RU4	2.70	2.70												2.70
RU5	2.82							2.82	2.82	2.82	2.82	2.82		1.88
AVG	2.72	2.67	2.65	2.65	2.65	0.00	0.00	2.82	2.82	2.82	2.82	2.82	1.77	2.12

KS

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377290, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: Deep learning

Subject Code: C77PC1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.67	1.67	2.67	2.20										
CO2	2.67	1.67	2.28	1.67										
CO3	1.67	2.67	1.96	1.67									1.67	1.67
CO4	1.67	2.67	1.67	2.67									1.67	2.67
CO5	2.20	1.67	2.78	1.67									2.67	1.96
AVG	1.98	2.07	2.27	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.10

Subject Name: Information Security

Subject Code: C77PC2s

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	2.86	1.91										2.86	1.91
CO2	2.85	2.85	1.90	1.90									2.85	1.90
CO3	2.65	2.65	1.77	1.77									2.65	1.77
CO4	2.70	2.70	1.80	1.80									2.70	1.80
CO5	2.82	2.82	1.88	1.88									2.82	1.88
AVG	2.78	2.78	1.85	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.78	1.85

Subject Name: Cyber Security

Subject Code: C77PE3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	2.23	2.87			1.92	2.87	2.87			2.23			
CO2	2.86	1.91	2.86					2.86						
CO3	2.49	1.94				2.49	2.49	2.49		1.66	2.22	1.66	0.83	
CO4	2.64	2.35	2.64					2.64		1.76	1.76		1.76	1.76
CO5	2.12					2.73	2.73						0.91	1.82
AVG	2.60	2.11	2.79	0.00	0.00	2.38	2.70	2.72	0.00	1.71	2.07	1.66	1.17	1.79

KS

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377790, email: info@tkrceet.in, web site: www.tkrceet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

(2023-24)

Subject Name: Semantic Web

Subject Code: C77PE4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	1.91												1.91
CO2	2.85													1.90
CO3	2.65	1.77												1.77
CO4	2.70	1.80												1.80
AVG	2.76	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84

Subject Name: Embedded System Design

Subject Code: C77OE5

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1			1.91								1.91			
CO2			1.90								1.90			
CO3			1.77								1.77			
CO4			1.80								1.80			
CO5			1.88								1.88			
AVG	0.00	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00

Subject Name: Deep learning Lab

Subject Code: C77PC6

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.67	1.67	2.67	1.67									2.20	2.20
CO2	2.67	2.20	2.28	1.67									1.67	2.20
CO3	1.67	2.67	1.96	1.67									1.67	1.67
CO4	2.20	2.67	2.20	2.67									1.67	2.67
CO5	2.20	1.67	2.78	1.67									2.67	1.96
AVG	2.08	2.18	2.38	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	2.14

Handwritten signature

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097

Handwritten signature
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpeta, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377790, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

(2023-24)

Subject Name: Cutting Edge Technologies lab (Practice on ParaMooN,
PICASOO,QUEST, CODD, HYDRA)

Subject Code: C77PC7

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.93	2.93	2.93				2.61	1.96				
LO2	2.94	2.94	2.94	2.94	2.94									
LO3	2.94	2.94	2.94	2.94	2.94									
LO4														
LO5														
AVG	2.94	2.94	2.94	2.94	2.94	0.00	0.00	0.00	2.61	1.96	0.00	0.00	0.00	0.00

Subject Name: Major Project Phase I

Subject Code :C77PW8

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1	2.93	2.93												2.93
RU2	2.94	2.94	2.94										2.94	2.94
RU3														
RU4														
RU5														
AVG	2.94	2.94	2.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	2.94

Subject Name: Blockchain Technology

Subject Code :C78PE

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.28	1.67	2.67	1.67										
CO2	2.67	1.67	2.28	1.67										
CO3	1.67	2.67	1.67	1.67									1.67	1.67
CO4	1.67	2.67	1.67	2.67									1.67	2.67
CO5	1.67	1.67	2.78	1.67									2.67	1.96
AVG	1.99	2.07	2.21	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.10

Handwritten signature

Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpeta, Hyderabad - 500 097

Handwritten signature
Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpeta, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU-H)

Medbowli, Meerpeta, Balapur, Hyderabad, Telangana - 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Department of CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (2023-24)

Subject Name: DISASTER MANAGEMENT

Subject Code C78OE

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	2.86	2.86	2.86	2.86	2.86		2.86	2.86			2.86		
CO2	2.85	2.85	2.85	2.85	2.85	2.85		2.85	2.85			2.85		
CO3	2.65	2.65	2.65	2.65	2.65	2.65		2.65	2.65			2.65		
CO4	2.70	2.70	2.70	2.70	2.70	2.70		2.70	2.70			2.70	2.70	2.70
CO5	2.82	2.82	2.82	2.82	2.82	2.82		2.82	2.82			2.82	2.82	2.82
AVG	2.78	2.78	2.78	2.78	2.78	2.78	0.00	2.78	2.78	0.00	0.00	2.78	2.76	2.76

Subject Name: Renewable Energy Sources

Subject Code C78OE3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	1.91	2.86	2.86	1.91	1.91	1.91	1.91	1.43	1.43	2.86	1.43		
CO2	2.85	1.42	2.85	1.42	1.90	1.42	1.42	1.90	1.42	1.42	1.90	1.42		
CO3	2.65	1.77	2.65	1.77	1.77	1.77	1.77	1.77	1.33	1.33	2.65	1.33		
CO4	2.70	1.80	2.70	2.70	1.35	1.80	1.80	1.35	1.35	1.35	1.35	1.35		
CO5	2.19	1.41	2.82	2.82	1.88	1.41	1.88	1.88	1.41	1.41	2.82	1.41		
AVG	2.65	1.66	2.78	2.31	1.76	1.66	1.76	1.76	1.39	1.39	2.32	1.39	0.00	0.00

Subject Name: Major Project Phase II

Subject Code C78PW4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1														
RU2														
RU3	3.00	3.00	3.00	3.00	3.00								2.00	2.00
RU4	3.00	3.00												3.00
RU5	3.00							3.00	3.00	3.00	3.00	3.00		2.00
AVG	3.00	3.00	3.00	3.00	3.00	0.00	0.00	3.00	3.00	3.00	3.00	3.00	2.00	2.33



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU/H,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: LINEAR ALGEBRA CALCULUS & ORDINARY DIFFERENTIAL EQUATIONS

SUBJECT CODE: 3B1AJ

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.03	2.03	1.55											
CO2	2.00	2.00	1.33											
CO3	2.00	2.00	1.78											
CO4	1.80	1.80	1.39											
CO5	1.33	1.99	1.33											
AVG	1.83	1.96	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SUBJECT NAME: APPLIED PHYSICS

SUBJECT CODE: 3B1AL

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.19	2.19	1.82									1.46		
CO2	2.11	2.11	1.64									1.41		
CO3	2.06	2.06	1.84											
CO4	2.12	2.12	1.89									1.42		
CO5	2.22	2.22	1.73									1.48		
AVG	2.14	2.14	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00

Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU(H),
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:ELECTRONIC DEVICES


SUBJECT CODE:3B1AK

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.23	1.49												1.49
CO2	2.24													1.49
CO3	2.16	2.16	1.44											1.44
CO4	1.95	1.95	1.30											1.30
CO5	2.02	1.34											1.34	1.34
AVG	2.12	1.74	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	1.41

SUBJECT NAME:C PROGRAMMING FOR PROBLEM SOLVING

SUBJECT CODE:3E1AI

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.35													
CO2	2.27													
CO3	2.10													
CO4	2.21													
CO5	2.11	1.41												
AVG	2.21	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: APPLIED PHYSICS LAB

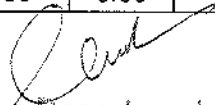
SUBJECT CODE: 3B109

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.92	2.92	2.92	2.92	2.60				2.60	1.95				
LO2	2.93	2.93	2.93	2.93	1.95									
LO3	2.92	2.92												
LO4	2.92	2.92	2.92	2.92	2.27									
LO5	2.92	2.92	2.92		2.92				2.92	2.27	1.95	1.95		
AVG	2.92	2.92	2.92	2.92	2.43	0.00	0.00	0.00	2.76	2.11	1.95	1.95	0.00	0.00

SUBJECT NAME: ELECTRONIC DEVICES LAB

SUBJECT CODE: 3E107

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					1.99			2.99	2.99	2.99				1.99
LO2					1.99			2.99	2.99	2.99				1.99
LO3					1.99			2.99	2.99	2.99				1.99
LO4					1.99			2.99	2.99	2.99			1.99	1.99
LO5														
AVG	0.00	0.00	0.00	0.00	1.99	0.00	0.00	2.99	2.99	2.99	0.00	0.00	1.99	1.99


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU/H,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:C PROGRAMMING FOR PROBLEM SOLVING LAB


SUBJECT CODE: 3E106

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.93											
LO2	2.95	2.95												
AVG	2.94	2.94	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SUBJECT NAME:IT WORKSHOP

SUBJECT CODE:3E108

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	3.00													
LO2	2.95	2.95												
LO3	2.94													
LO4	2.94	2.94	2.94											
LO5	2.93	2.93	2.93											
AVG	2.95	2.94	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU-H,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: TRANSFORMS THEORY


SUBJECT CODE: 3B2AL


COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.03	2.03	1.56											
CO2	2.01	2.01	1.34											
CO3	2.00	2.00	1.78											
CO4	1.80	1.80	1.40											
CO5	2.00	2.00	1.33											
AVG	1.97	1.97	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

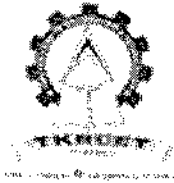
SUBJECT NAME: APPLIED CHEMISTRY

SUBJECT CODE: 3B2AM

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.47	2.47	1.92											
CO2	2.27	2.27	1.52											
CO3	1.93	1.93	1.67											
CO4	2.04	2.04	1.56											
CO5	2.31	2.31	1.54											
AVG	2.21	2.21	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ENGLISH

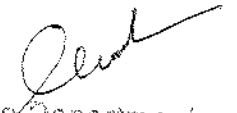
SUBJECT CODE: 3E2AK

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.74	2.12		1.82	1.82					1.82				
CO2	2.81	1.88	1.88											
CO3	2.76	2.14		1.84										
CO4	2.72	2.42			1.81	1.81						1.81		
CO5	2.15				1.85					1.85				
AVG	2.64	2.14	1.88	1.83	1.83	1.81	0.00	0.00	0.00	1.84	0.00	1.81	0.00	0.00

SUBJECT NAME: BASIC ELECTRICAL ENGINEERING

SUBJECT CODE: 3E2AQ

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.37	1.97	1.97	1.58	1.97	0.79	0.79							
CO2	2.36	2.36	1.97	1.58	1.97	0.79	0.79							
CO3	2.50	2.40	2.30	2.00	1.90	1.80	1.70							
CO4	2.42	2.42	2.02	2.42	2.02	1.62	1.62							
CO5	2.03	2.03	2.03	2.03	1.62	1.22	1.62							
AVG	2.34	2.24	2.06	1.92	1.90	1.24	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:ENGINEERING GRAPHICS

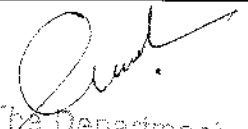
SUBJECT CODE: 3E2AQ

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.12	0.56												
CO2	1.13	1.13	1.13											
CO3	0.98	0.98	0.98											
CO4	1.02	1.02	1.02											
CO5	1.24	1.24												
AVG	1.10	0.98	1.04											

SUBJECT NAME:APPLIED CHEMISTRY LAB

SUBJECT CODE: 3H209

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.93	2.60										
LO2	2.94	2.94	2.94	1.96										
LO3	2.93	2.93	2.93	1.95										
LO4	2.93	2.93	2.93	2.27										
LO5	2.92	2.92	2.92	2.27										
AVG	2.93	2.93	2.93	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ENGLISH LANGUAGE & COMMUNICATION SKILLS LAB

SUBJECT CODE: 3H208

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93		1.95										
LO2	2.94	2.94		1.96					1.96					
LO3	2.93	2.93								1.95				
LO4	2.93	2.93	2.93											
LO5	2.92	2.92	2.92							2.27				
AVG	2.93	2.93	2.92	1.95	0.00	0.00	0.00	0.00	1.96	2.11	0.00	0.00	0.00	0.00

SUBJECT NAME: BASIC ELECTRICAL ENGINEERING LAB

SUBJECT CODE: 3E210

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.83	2.83	2.83	2.83	2.51				2.51	1.88	0.94		0.94	1.88
LO2	2.93	2.93	2.93	2.93	1.95				1.95	1.95	0.98		1.95	1.95
LO3	2.83	2.83							1.88	1.88	0.94		1.88	1.88
LO4														
LO5														
AVG	2.86	2.86	2.88	2.88	2.23	0.00	0.00	0.00	2.12	1.91	0.95	0.00	1.59	1.91


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: COMPLEX ANALYSIS AND VECTOR CALCULUS


SUBJECT CODE: 3B3DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.35	0.90												
CO2	0.81	0.81	0.81											
CO3	0.77	0.77	0.77											
CO4	2.10	2.10	2.10											
CO5	1.30	1.30												
AVG	1.27	1.18	1.23											

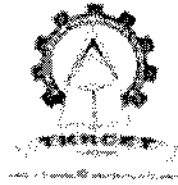
SUBJECT NAME: DIGITAL LOGIC DESIGN

SUBJECT CODE: 3P3DB

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.47	2.47											2.47	2.47
CO2	2.18	2.18											1.46	
CO3			2.19										2.19	1.46
CO4			2.59										2.59	1.73
CO5			1.88										1.25	1.25
AVG	2.33	2.33	2.22										1.99	1.73


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

[Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC, with 'A+' Grade]



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ELECTRONIC CIRCUIT ANALYSIS


SUBJECT CODE: 3P3DC

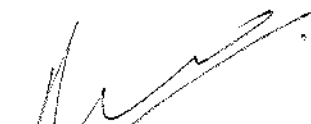
COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.31	2.31	2.31										1.54	2.31
CO2		2.32											1.55	2.32
CO3	2.05	2.05											1.36	2.05
CO4		2.46	2.46										1.64	2.46
CO5		2.06											1.37	2.06
AVG	2.18	2.24	2.38										1.49	2.24

SUBJECT NAME: SIGNALS AND SYSTEMS

SUBJECT CODE: 3P3DD

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.73													
CO2	1.57	1.57											1.05	1.05
CO3	1.42	1.42											0.95	0.95
CO4	2.16	2.16											1.44	1.44
CO5	1.33	1.33											0.88	0.88
AVG	1.75	1.75											1.17	1.17


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology,
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU/H,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: NETWORK ANALYSIS

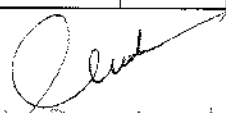
SUBJECT CODE: 3P3DE

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.46	2.46												
CO2		1.44	2.16					1.44		2.16				
CO3			1.23	1.84						1.84				
CO4				1.62	2.43									
CO5		2.39				1.59								
AVG	2.46	2.10	1.69	1.73	2.43	1.59	0.00	1.44	0.00	2.00	0.00	0.00	0.00	0.00

SUBJECT NAME: DIGITAL LOGIC DESIGN LAB

SUBJECT CODE: 3P341

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.87			2.87	2.87				2.87	2.87
LO2					2.88			2.88	2.88				2.88	1.92
LO3					2.87			2.87	2.87				2.87	2.87
LO4					2.87			2.87	2.87				1.91	1.91
AVG	0.00	0.00	0.00	0.00	2.87	0.00	0.00	2.87	2.87	0.00	0.00	0.00	2.63	2.39


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ELECTRONIC CIRCUIT DESIGN LAB


SUBJECT CODE: 3P342

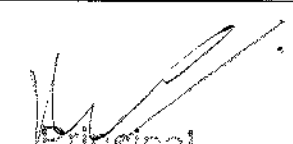
COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					1.91			2.87	2.87	2.87			1.91	2.87
LO2					1.92			2.88	2.88	2.88			1.92	2.88
LO3					1.92			2.87	2.87	2.87			1.92	2.87
LO4					1.91			2.87	2.87	2.87			1.91	2.87
LO5														
AVG	0.00	0.00	0.00	0.00	1.91	0.00	0.00	2.87	2.87	2.87	0.00	0.00	1.91	2.87

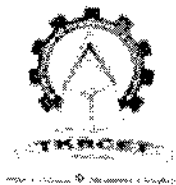
SUBJECT NAME: ELECTRONIC CIRCUIT SIMULATION LAB

SUBJECT CODE: 3P343

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					1.91			2.87	2.87	2.87			1.91	2.87
LO2					1.92			2.89	2.89	2.89			1.92	2.89
LO3					1.91			2.87	2.87	2.87			1.91	2.87
LO4					1.92			2.88	2.88	2.88			1.92	2.88
LO5														
AVG	0.00	0.00	0.00	0.00	1.92	0.00	0.00	2.88	2.88	2.88	0.00	0.00	1.92	2.88


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUHV,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: BASIC SIMULATION LAB

SUBJECT CODE: 3P344

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.88			2.88	2.88			2.88	1.92	2.88
LO2					2.89			2.89	2.89			2.89	1.92	2.89
LO3					2.88			2.88	2.88			2.88	1.92	2.88
AVG	0.00	0.00	0.00	0.00	2.88	0.00	0.00	2.88	2.88	0.00	0.00	2.88	1.92	2.88

SUBJECT NAME: PROBABILITY THEORY AND STOCHASTIC PROCESSES

SUBJECT CODE: 3P4DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.02	2.02											2.02	1.35
CO2	1.88	1.88											1.88	1.25
CO3	1.49	1.49											1.49	0.99
CO4	1.64	1.64	1.64										1.64	1.10
CO5	2.02	2.02	2.02										2.02	1.35
AVG	1.81	1.81	1.83										1.81	1.21


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ANALOG COMMUNICATIONS

SUBJECT CODE: 3P4DB

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.11	2.11												2.11
CO2	1.95	1.30												1.95
CO3	1.72	1.72												1.72
CO4	2.49	2.49												2.49
CO5	1.92	1.28												1.92
AVG	2.04	1.78												2.04

SUBJECT NAME: PULSE AND DIGITAL CIRCUITS

SUBJECT CODE: 3P4DC

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.99	1.99											1.33	
CO2	2.00	2.00	1.33											1.33
CO3	1.79	1.19	1.19										1.19	
CO4	2.12	2.12	1.41										1.41	1.41
CO5	1.64	1.10											1.64	1.10
AVG	1.91	1.68	1.31										1.39	1.28


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: LINEAR IC APPLICATIONS

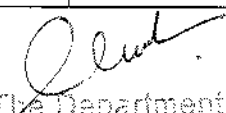
SUBJECT CODE: 3P4DD

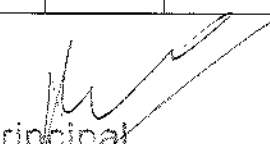
COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.29												1.53	1.53
CO2	1.96	1.96	1.31										1.31	1.31
CO3	1.83	1.83	1.22										1.22	1.22
CO4	2.49	2.49											1.66	1.66
CO5	1.09	1.09	1.09										1.09	1.09
AVG	1.93	1.84	1.21										1.36	1.36

SUBJECT NAME: ELECTROMAGNETIC THEORY AND TRANSMISSION LINES

SUBJECT CODE: 3P4DE

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.20	2.20												1.47
CO2	1.90	1.27												1.27
CO3	1.64	1.09												1.09
CO4	1.74	1.74												1.16
CO5	1.55	1.55	1.04											1.04
AVG	1.81	1.57	1.04											1.21


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NSA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ADVANCED ENGLISH COMMUNICATION SKILLS LAB

SUBJECT CODE: 3H441

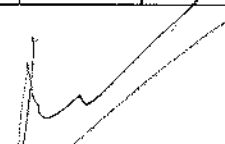
COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.44	1.96	1.96									
LO2	2.94	2.94												
LO3	2.94				2.94	2.45								
LO4	1.96									2.94	2.45			
LO5	2.93		2.93							2.93		2.45		
AVG	2.74	2.94	2.69	1.96	2.45	2.45	0.00	0.00	0.00	2.93	2.45	2.45	0.00	0.00

SUBJECT NAME: ANALOG COMMUNICATIONS LAB

SUBJECT CODE: 3P442

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.97			2.97	1.98					2.97
LO2					2.97			2.97	1.98					2.97
LO3					2.97			2.97	1.98					2.97
LO4														
LO5														
AVG	0.00	0.00	0.00	0.00	2.97	0.00	0.00	2.97	1.98	0.00	0.00	0.00	0.00	2.97


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU),
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:PULSE AND DIGITAL CIRCUITS LAB

SUBJECT CODE: 3P443

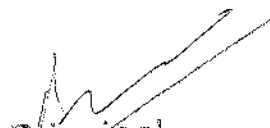
COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.85			2.85	2.85		2.85	2.85	2.85	
LO2					2.86			2.86	2.86		2.86	2.86	2.86	
LO3					2.85			2.85	2.85		2.85	2.85	2.85	
LO4					2.85			2.85	2.85		2.85	2.85	2.85	
LO5					2.84			2.84	2.84					
AVG	0.00	0.00	0.00	0.00	2.85	0.00	0.00	2.85	2.85	0.00	2.85	2.85	2.85	0.00

SUBJECT NAME:LINEAR IC APPLICATIONS LAB

SUBJECT CODE: 3P444

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1								2.89	2.89	2.89				1.93
LO2								2.91	2.91	2.91				1.94
LO3								2.90	2.90	2.90				1.94
LO4								2.90	2.90	2.90				1.94
LO5														
AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	2.90	2.90	0.00	0.00	0.00	1.94


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by MBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: BUSINESS ECONOMICS AND FINANCIAL ANALYSIS

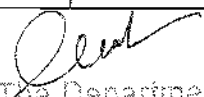
SUBJECT CODE: 3H5DA


COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1						1.65					1.93	1.65		
CO2					1.69						1.69	1.69		
CO3											1.78	1.53		
CO4											2.31	1.54		
CO5											1.78			
AVG					1.69	1.65					1.90	1.60		

SUBJECT NAME: CONTROL SYSTEMS

SUBJECT CODE: 3P5DB

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.16	1.44											1.44	
CO2	1.82	1.21											1.21	
CO3	2.03	2.03											2.03	
CO4	1.91	1.91	1.28										1.91	1.28
CO5	1.69	1.13	1.13										1.13	1.13
AVG	1.92	1.55	1.20										1.55	1.20


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: DIGITAL COMMUNICATIONS

SUBJECT CODE: 3P5DC

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.42	1.62		2.42										2.42
CO2	1.63	1.63	1.63											1.63
CO3	2.94	2.94	1.96											1.96
CO4		1.97	1.97											1.97
CO5	1.28	1.28		1.92										1.28
AVG	2.07	1.89	1.85	2.17										1.85

SUBJECT NAME: MICROPROCESSOR AND MICROCONTROLLERS

SUBJECT CODE: 3P5DD

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.53	1.53	2.29	1.53										2.29
CO2	1.46	1.46	2.18	1.46										2.18
CO3	1.35		2.02	2.02										2.02
CO4	1.66	1.66	2.50	2.50									1.66	2.50
CO5	1.43	1.43	2.15										1.43	1.43
AVG	1.49	1.52	2.23	1.87									1.55	2.09


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-07.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-07.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:PYTHON PROGRAMMING

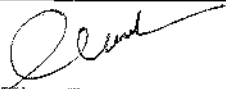
SUBJECT CODE: 3O5DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.68	1.78												
CO2	2.58	1.72												
CO3	2.48	2.48												
CO4	2.56	2.56												
CO5	1.87	1.25	1.87											
AVG	2.43	1.96	1.87											

SUBJECT NAME:DIGITAL DESIGN THROUGH VERILOG HDL

SUBJECT CODE: 3E5DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.64	2.64			2.64								2.64	1.76
CO2		1.62	2.42		2.42								1.62	2.42
CO3		2.02	2.02		1.34								2.02	2.02
CO4	2.31		2.31		2.31								1.54	2.31
CO5	1.81		1.21		1.81								1.81	1.21
AVG	2.25	2.09	1.99		2.10								1.92	1.94


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,

Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: IMAGE PROCESSING & PATTERN RECOGNITION

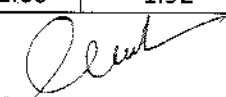
SUBJECT CODE: 3E5DB

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.84	2.84											2.84	
CO2	2.61	1.74											2.61	
CO3	2.18	2.18											2.18	
CO4	1.61												2.42	
CO5	1.40												2.11	
AVG	2.13	2.25											2.43	

SUBJECT NAME: INTRODUCTION TO EMBEDDED SYSTEMS

SUBJECT CODE: 3E5DC

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.80		1.80											
CO2			2.39	1.60									1.60	
CO3	1.52		1.52											
CO4		2.36	1.58										1.58	
CO5		1.48	1.48											
AVG	1.66	1.92	1.75	1.60									1.59	


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUHM,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: DIGITAL COMMUNICATIONS LAB


SUBJECT CODE: 3P541

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.87			2.87	2.87					2.87
LO2					2.88			2.88	2.88					2.88
LO3					2.87			2.87	2.87					2.87
LO4					2.87			2.87	2.87					2.87
LO5					1.91			2.87	2.87					2.87
AVG	0.00	0.00	0.00	0.00	2.68	0.00	0.00	2.87	2.87	0.00	0.00	0.00	0.00	2.87

SUBJECT NAME: MICROPROCESSOR AND MICROCONTROLLERS LAB

SUBJECT CODE: 3P542

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.90			2.90	2.90					2.90
LO2					2.91			2.91	2.91					2.91
LO3					2.90			2.90	2.90					2.90
LO4					2.89			2.89	2.89				1.93	2.89
LO5					1.93			1.93	1.93				1.93	2.90
AVG	0.00	0.00	0.00	0.00	2.71	0.00	0.00	2.71	2.71	0.00	0.00	0.00	1.93	2.90


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: FUNDAMENTALS OF MANAGEMENT

SUBJECT CODE: 3H6DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1						1.87					2.18			
CO2		1.70	1.70											
CO3										1.51	2.01	1.51		
CO4									2.22	1.66	1.66			
CO5	1.91	1.48												
AVG	1.91	1.59	1.70			1.87			2.22	1.58	1.95	1.51		

SUBJECT NAME: ANTENNAS AND WAVE PROPAGATION

SUBJECT CODE: 3P6DB

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.01	2.01	1.34											1.34
CO2		1.57												1.57
CO3	2.31	2.31	1.54											1.54
CO4	1.98	1.98												1.32
CO5		1.13												1.13
AVG	2.10	1.80	1.44											1.38

Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU/H,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: DIGITAL SIGNAL PROCESSING

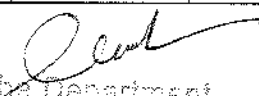
SUBJECT CODE: 3P6DC

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.06	1.37												
CO2	1.48	1.48											1.48	1.48
CO3	1.44	1.44	1.44										1.44	1.44
CO4	1.62	1.62	1.62										1.62	1.62
CO5	1.24	1.24											1.24	1.24
AVG	1.57	1.43	1.53										1.44	1.44

SUBJECT NAME: TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS

SUBJECT CODE: 3E6DD

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1		2.70												
CO2	2.72	2.72												
CO3	2.15	2.15												1.43
CO4	2.60													1.73
CO5	2.53													1.69
AVG	2.50	2.52												1.62


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:VLSI DESIGN

SUBJECT CODE: 3P6DD

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.39	1.59											2.39	
CO2	1.41	1.41	1.41										2.12	2.12
CO3	1.21	1.21	1.21	1.21									1.81	1.81
CO4	1.80	1.80	1.80	1.80									1.80	1.20
CO5	1.16	1.16			1.16								1.74	1.16
AVG	1.59	1.44	1.47	1.51	1.16								1.97	1.57

SUBJECT NAME:OOPS THROUGH JAVA

SUBJECT CODE:3O6DE

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.56	2.56	2.56		1.71									
CO2	1.92	1.71			1.28									
CO3	2.21	2.21			1.47									
CO4	2.15	1.92			1.44									
CO5	2.01	2.01	1.56		1.34									
AVG	2.17	2.08	2.06		1.45									

[Signature]
Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU(r),
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: DIGITAL SIGNAL PROCESSING LAB

SUBJECT CODE: 3P641

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.82				2.82				2.82	1.88
LO2					2.82	1.88							2.82	1.88
LO3					2.82				1.88				2.82	2.82
LO4					2.52		2.52	1.68					2.52	2.52
LO5					2.52		2.52	1.68					2.52	1.68
AVG	0.00	0.00	0.00	0.00	2.70	1.88	2.52	1.68	2.35	0.00	0.00	0.00	2.70	2.16

SUBJECT NAME: VLSI DESIGN LAB

SUBJECT CODE: 3P642

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1			2.41		2.41								2.41	2.41
LO2		2.42			2.42	1.61							2.42	2.42
LO3					2.41	2.41	1.61						2.41	2.41
LO4		2.41			2.41			2.41	2.41				2.41	2.41
LO5		2.41			2.41	2.41			1.60				2.41	2.41
AVG	0.00	2.41	2.41	0.00	2.41	2.14	1.61	2.41	2.01	0.00	0.00	0.00	2.41	2.41

Head of the Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpeta, Hyderabad-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpeta, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUHM,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: MICROWAVE ENGINEERING

SUBJECT CODE: 3P7DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.27	2.27												1.51
CO2	1.48	0.99												
CO3	2.38	1.59												1.59
CO4	2.45	2.45												1.63
CO5	2.25	1.50												1.50
AVG	2.17	1.76												1.56

SUBJECT NAME: ANALOG IC DESIGN

SUBJECT CODE: 3E7DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.31	1.54											1.54	
CO2	1.99	1.33											1.33	
CO3	1.82	1.21											1.82	
CO4	2.31	1.54	1.54										2.31	1.54
CO5	1.72	1.14	1.14										1.72	1.14
AVG	2.03	1.35	1.34										1.74	1.34

Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,

Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: EMBEDDED SYSTEM DESIGN

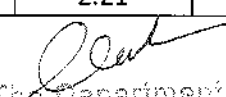
SUBJECT CODE: 3E7DC

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.67													
CO2	2.48												2.48	2.48
CO3	2.02												1.35	1.35
CO4	2.37	2.37											1.58	1.58
CO5	2.33	1.55												
AVG	2.37	1.96											1.80	1.80

SUBJECT NAME: COMPUTER NETWORKS

SUBJECT CODE: 3O7DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.62	2.62												
CO2	2.22	2.22	1.48											
CO3	2.33	1.55												
CO4	2.46	2.46	1.64											
CO5	1.31													
AVG	2.19	2.21	1.56											


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:ARTIFICIAL INTELLIGENCE

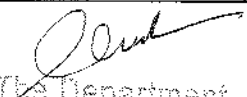
SUBJECT CODE: 307DB

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.41	2.41												
CO2	2.36	2.10												
CO3	2.38	2.38												
CO4	2.39	2.13												
CO5	2.05	2.05	1.60											
AVG	2.32	2.21	1.60											

SUBJECT NAME:MICROWAVE ENGINEERING LAB

SUBJECT CODE: 3P716

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.92			2.92	2.92					1.95
LO2					2.92			2.92	2.92					1.94
LO3					2.92			2.92	2.92					1.95
LO4														
AVG	0.00	0.00	0.00	0.00	2.92	0.00	0.00	2.92	2.92	0.00	0.00	0.00	0.00	1.95


Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpel, Hyderabad-57.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpel, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: ADVANCED TECHNOLOGY LAB

SUBJECT CODE: 3P717

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					1.95			1.95						2.93
LO2					1.95			1.95						2.93
LO3					2.93		2.93	1.95	2.93			2.93		2.93
LO4					2.93		2.93	1.95	2.93			2.93		2.93
AVG	0.00	0.00	0.00	0.00	2.44	0.00	2.93	1.95	2.93	0.00	0.00	2.93	0.00	2.93

SUBJECT NAME: MAJOR PROJECT PHASE I

SUBJECT CODE: 3P7PW

RUs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1	2.73	2.73												2.73
RU2	2.74	2.74	2.74										2.74	2.74
RU3														
RU4														
RU5														
AVG	2.74	2.74	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	2.74

Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME:LOW POWER VLSI DESIG

SUBJECT CODE: 3E8DA

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.71	2.57	2.57										2.57	
CO2	2.45	1.64	1.64										1.64	
CO3	2.28	2.28	1.52										1.52	
CO4	1.78	1.78	2.67										2.67	
CO5	1.45	2.17	2.17										1.45	
AVG	1.93	2.09	2.11										1.97	

SUBJECT NAME:RADAR ENGINEERING

SUBJECT CODE:3E8DD

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.89	1.89												
CO2		1.75												
CO3		1.69												
CO4	1.64	1.64	1.64											
CO5	1.07	1.07	1.07											
AVG	1.53	1.61	1.35											

[Signature]
Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUHM,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: SATELLITE COMMUNICATIONS

SUBJECT CODE: 3E8DH

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.41	2.41												1.61
CO2	2.72	1.81												1.81
CO3	2.27	2.27												1.52
CO4	2.64	2.64												1.76
CO5	1.34	1.34												1.34
AVG	2.28	2.10												1.61

SUBJECT NAME: EMBEDDED C

SUBJECT CODE: 3E8DK

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.43												1.62	2.43
CO2	2.33												1.55	2.33
CO3	2.20	2.20											1.46	2.20
CO4	2.12	2.12											1.41	2.12
CO5	1.74	1.16	1.16										1.16	1.74
AVG	2.16	1.82	1.16										1.44	2.16

[Signature]
Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A+' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING

2023-24

SUBJECT NAME: WIRELESS COMMUNICATIONS AND NETWORKS

SUBJECT CODE: 3E8DL

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.91	1.94												
CO2	2.58	1.72												
CO3	2.56													
CO4	2.71													
CO5	2.43	1.62												
AVG	2.64	1.76												

SUBJECT NAME: MAJOR PROJECT PHASE II

SUBJECT CODE: 3P8PW

RUs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1														
RU2														
RU3	2.92	2.92	2.92	2.92	2.92								2.92	2.92
RU4	2.93	2.93												2.93
RU5	2.93							2.93	2.93	2.93	2.93	2.93		2.93
AVG	2.92	2.92	2.92	2.92	2.92	0.00	0.00	2.93	2.93	2.93	2.93	2.93	2.92	2.92

Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)




**DEPARTMENT OF SCIENCE & HUMANITIES
COMPUTER SCIENCE & ENGINEERING
(2023-24)**

Subject: English for Skill Enhancement (D1HSE1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1							0.95	1.91	1.91	2.86		0.95			1.716
CO2							0.84	1.68	1.68	2.52		1.68			1.68
CO3								0.86	1.72	2.58		1.72			1.72
CO4							0.80	0.80	1.60	2.40		1.60			1.44
CO5								1.80		1.20		1.20			1.4
PO Attainment							0.87	1.41	1.73	2.31		1.43			1.55

Subject Name: Engineering Chemistry (D1BSEC1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.70	1.80													2.25
CO2	2.95	2.95	1.96												2.62
CO3	2.04	2.04	1.36												1.81
CO4	2.22	2.22	1.48												1.97
CO5	1.79	1.20													1.49
PO Attainment	2.34	2.04	1.60												1.99


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli Meerpeta, Hyderabad 50.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society - Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: CPPS (D1ESCP1)

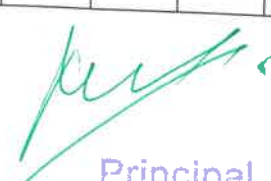
Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.71														1.71
CO2	1.48														1.48
CO3	1.42														1.42
CO4	1.73	1.73	1.54												1.66
CO5	1.79	1.79	1.19												1.59
PO Attainment	1.63	1.76	1.36												1.58

Subject Name: IT WORKSHOP (D1ESITW1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.58														2.58
CO2	2.91	2.26													2.58
CO3	2.91	2.91	2.91	2.91	2.26										2.78
CO4	2.90	2.90	2.90	2.90	2.25										2.77
CO5	2.90	2.90	2.90	2.90	2.25										2.77
PO Attainment	2.84	2.74	2.90	2.90	2.25										2.72

Subject Name: CAEG (D1ESCEG)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.75	0.88	1.75	0.88	1.75		0.88	1.75	1.75	1.75	0.88	1.75			1.75
CO2	1.50	0.75	1.50	0.75	1.50		0.75	1.50	1.50	1.50	0.75	1.50			1.5
CO3	1.00	0.50	1.00	0.50	1.00		0.50	1.00	1.00	1.00	0.50	1.00			1.00
CO4	2.29	0.76	1.53	0.76	1.53		0.76	1.53	1.53	1.53	0.76	1.53			1.61
CO5	1.32	0.66	1.32	0.66	1.32		0.66	1.32	1.32	1.32	0.66	1.32			1.32
PO Attainment	1.57	0.71	1.42	0.71	1.42		0.71	1.42	1.42	1.42	0.71	1.42			1.43


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: ELCS LAB (D1HSE2)


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1		0.98						0.98	2.94	2.94		1.96			1.96
CO2									1.96	2.94		1.96			2.28
CO3								0.98	1.96	2.94		0.98			1.71
CO4									1.96	2.93		0.98			1.95
CO5								0.98	1.96	2.93		0.98			1.71
PO Attainment		0.98						0.98	2.15	2.94		1.37			1.68

Subject: Subject: EC LAB (D1BSEC2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94	2.94		2.94								1.96			2.69
CO2	2.95	2.95		2.95											2.95
CO3	2.95	2.95		2.95											2.95
CO4	2.94	2.94		2.94											2.94
CO5	2.94	2.94		2.94											2.94
PO Attainment	2.94	2.94		2.94								1.96			2.69

Subject: CPPS LAB (D1ESCP3)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.80	2.80	2.49												2.69
CO2	2.81	2.81	2.50												2.7
CO3															
CO4															
CO5															
PO Attainment	2.80	2.80	2.49												2.69


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: BEFA (D2HSBF)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1						1.57					1.57	1.05			1.39
CO2					1.40						1.40	0.94			1.24
CO3											1.27	0.84			1.05
CO4											1.19	1.19			1.19
CO5											1.18				1.18
PO Attainment					1.40	1.57					1.32	1.00			1.32

Subject: AP (D2BSAP1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.25	2.25													2.25
CO2	2.04	2.04													2.04
CO3	1.89	1.89													1.89
CO4	1.65	1.65													1.65
CO5	1.72	1.72													1.72
PO Attainment	1.91	1.91													1.91

Subject Name: Statistical Methods and Vector Calculus (D2BSM5)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.58	2.56													2.57
CO2	1.57	1.57	1.57												1.57
CO3	1.23	1.23	1.23												1.23
CO4	2.40	2.40	2.40												2.40
CO5	1.43	1.43													1.43
PO Attainment	1.84	1.84	1.74												1.80

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: BEE (D2ESBEE)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.26	2.26	2.26	1.51											2.76
CO2	2.21	2.21	2.21	1.48											2.02
CO3	1.80	1.80	1.80	1.20											1.65
CO4	1.80	1.80	1.80	1.20											1.65
CO5	2.06	2.06	2.06	1.37											1.88
PO Attainment	2.03	2.03	2.03	1.35											1.86

Subject Name: Data Structures (D2ESDS)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94	1.96													2.45
CO2	2.09														2.09
CO3	2.10	1.40													1.75
CO4	2.24	2.24													2.24
CO5	1.99	1.99	1.99												1.99
PO Attainment	2.27	1.90	1.99												2.05

Subject: Applied Physics Lab (D2BSAP2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.23	2.23													2.23
CO2	2.23	2.23													2.23
CO3	2.23	2.23													2.23
CO4	2.23	2.23													2.23
CO5	2.23	2.23													2.23
PO Attainment	2.23	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			2.23

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: BES LAB (D2ESBES)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.84							2.84	2.53	1.89					2.52
CO2	2.85							2.37							2.61
CO3	2.84								1.89	1.89	1.89				2.12
CO4	2.84							1.89			0.95	0.95			1.65
CO5	2.83							1.89	1.89	2.20	0.94	0.94			1.80
PO Attainment	2.84							2.25	2.10	2.00	1.26	0.94			1.89

Subject: DS LAB (D2ESDSL)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.34														2.34
CO2	2.35														2.35
CO3	2.34														2.34
CO4	2.63	1.75	1.75												2.04
CO5															
PO Attainment	2.41	1.75	1.75												1.97

HOD (S & H)

**PROFESSOR & HEAD
HUMANITIES & SCIENCE
TKR COLLEGE OF ENGINEERING & TECHNOLOGY**

Principal

**TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.**



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)




**DEPARTMENT OF SCIENCE & HUMANITIES
ELECTRICAL & ELECTRONICS ENGINEERING
(2023-24)**

Subject: LAODE (D1BSM1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.09	2.09													2.09
CO2	2.31	2.31	2.31												2.31
CO3	1.63	1.63	1.63												1.63
CO4	2.04	2.04	2.04												2.04
CO5	2.50	2.50													2.50
PO Attainment	2.12	2.12	1.99												2.07

Subject Name: CPPS (D1ESCP1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.49	1.49		1.49	1.49						0.99	0.99			1.32
CO2	1.50	1.50	1.50	1.50	1.50							1.00			1.41
CO3	0.87	0.87	0.87	0.87	0.87							1.31			0.94
CO4	1.31	1.31	1.31	1.31	1.31							0.87			1.23
CO5	0.83	0.83		0.83	0.83							0.83			0.83
PO Attainment	1.20	1.20	1.23	1.20	1.20						0.99	1.00			1.14


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpel, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: EP (D1BSEP1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.44	1.44													1.44
CO2	2.11	2.11	2.11												2.11
CO3	2.23	2.23	2.23												2.23
CO4	1.78	1.78	1.19												1.58
CO5	1.22	1.22													1.22
PO Attainment	1.75	1.75	1.84												1.78

Subject Name: ELECTRIC CIRCUITS (D1ESEC1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.08	1.39	1.39	1.39	1.39										1.52
CO2	0.94	0.94	0.94	0.94											0.94
CO3	1.06	1.06	1.06	1.06											1.06
CO4	1.67	1.67	1.67	1.11											1.53
CO5	0.76	0.76	0.76	0.76											0.76
PO Attainment	1.30	1.16	1.16	1.05	1.39										1.27

Subject Name: EP LAB(D1BSEP2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94	2.94	2.94	2.94	2.62				2.62	1.96					2.70
CO2	2.96	2.96	2.96	2.96	1.97										2.76
CO3	2.95	2.95													2.95
CO4	2.96	2.96	2.96	2.96	2.30										2.82
CO5	2.95	2.95	2.95		2.95				2.95	2.29	1.96	1.96			2.62
PO Attainment	2.95	2.95	2.95	2.95	2.46				2.78	2.12	1.96	1.96			2.56

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: CPPS LAB (DIESCP2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.80	2.80	2.49												2.69
CO2	2.81	2.81	2.50												2.70
CO3															
CO4															
CO5															
PO Attainment	2.80	2.80	2.49												2.69

Subject: Subject: CAEG (DIESCEG)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	0.94	0.63	1.26	0.63	1.26		0.63	1.26	1.26	1.26	0.63	1.26			1.00
CO2	1.03	0.68	1.37	0.68	1.37		0.68	1.37	1.37	1.37	0.68	1.37			1.08
CO3	0.87	0.58	1.16	0.58	1.16		0.58	1.16	1.16	1.16	0.58	1.16			1.12
CO4	0.86	0.57	1.14	0.57	1.14		0.57	1.14	1.14	1.14	0.57	1.14			0.92
CO5	0.91	0.61	1.22	0.61	1.22		0.61	1.22	1.22	1.22	0.61	1.22			0.97
PO Attainment	0.92	0.61	1.23	0.61	1.23		0.61	1.23	1.23	1.23	0.61	1.23			0.97

Subject: EC LAB (DIESEC2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94							2.94	2.94	1.96					2.69
CO2	2.95							1.97							2.46
CO3	2.95								1.96						2.45
CO4	2.95														2.95
CO5															
PO Attainment	2.95							2.46	2.45	1.96	0.00	0.00			2.45

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: MT(D2BSM3)

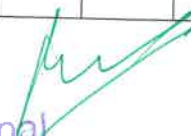
Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.77														1.77
CO2	1.96	1.96													1.96
CO3	1.54	1.54													1.54
CO4	1.60	1.60	1.60												1.60
CO5	2.01	2.01	2.01												2.01
PO Attainment	1.77	1.78	1.81												1.78

Subject: AC (D2BSAC1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.89	1.26													1.57
CO2	1.20	1.20	1.20												1.20
CO3	1.13	1.13	1.13												1.13
CO4	1.75	1.75	1.17												1.55
CO5	0.98	0.98													0.98
PO Attainment	1.39	1.26	1.17												1.27

Subject Name: NA (D2ESNA1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.86	1.24	1.24												1.44
CO2	1.39	1.39	0.93												1.23
CO3	1.41	1.41	0.94												1.25
CO4	1.81	1.81	1.21												1.61
CO5	1.79	1.79	1.20												1.59
PO Attainment	1.65	1.53	1.10												1.42


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: ESE (D2HS1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1							0.87	1.74	1.74	2.61					1.74
CO2							0.82	1.63	1.63	2.45					1.63
CO3								0.72	1.45	2.17					1.44
CO4							0.74	0.74	1.49	2.23					1.30
CO5								2.05		1.37					1.71
PO Attainment							0.81	1.38	1.58	2.17					1.48

Subject Name: BASIC WORKSHOP (D2ESBW1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.74	2.74	1.83		2.74	1.83	1.83	1.83	2.74	2.74	2.74	2.74			2.40
CO2	2.75	2.75	1.83		2.75	1.83	1.83	1.83	2.75	2.75	2.75	2.75			2.41
CO3	2.74	2.74	1.83		2.74	1.83	1.83	1.83	2.74	2.74	2.74	2.74			2.40
CO4	2.76	2.76	1.84		2.76	1.84	1.84	1.84	2.76	2.76	2.76	2.76			2.42
CO5	2.74	2.74	1.83		2.74	1.83	1.83	1.83	2.74	2.74	2.74	2.74			2.40
PO Attainment	2.75	2.75	1.83		2.75	1.83	1.83	1.83	2.75	2.75	2.75	2.75			2.41

Subject: AC LAB (D2BSAC2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.86	2.86	2.86	2.86	2.55				2.55	1.91					2.63
CO2	2.88	2.88	2.88	2.88	1.92										2.68
CO3	2.87	2.87													2.87
CO4	2.88	2.88	2.88	2.88	2.24										2.75
CO5	2.86	2.86	2.86		2.86				2.86	2.22	1.91	1.91			2.62
PO Attainment	2.87	2.87	2.87	2.87	2.39				2.70	2.07	1.91	1.91			2.5

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpeta, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: ELCS LAB (D2HSE2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94	2.94	2.94	2.94	2.62				2.62	1.96					2.70
CO2	2.95	2.95	2.95	2.95	1.97										2.75
CO3	2.95	2.95													2.95
CO4	2.96	2.96	2.96	2.96	2.30										2.82
CO5	2.94	2.94	2.94		2.94				2.94	2.29	1.96	1.96			2.42
PO Attainment	2.95	2.95	2.95	2.95	2.46				2.78	2.12	1.96	1.96			2.31

Subject: NA LAB (D2ESNA2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94							2.94	1.96	0.98					2.20
CO2	2.95														2.95
CO3	2.95							1.96	1.96	1.96					2.20
CO4															
CO5															
PO Attainment	2.95							2.45	1.96	1.47					2.20

Subject: PYTHON LAB (D2ESPP1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.80	2.80	2.80	2.80	2.49				2.49	1.87					2.57
CO2	2.81	2.81	2.81	2.81	1.87										2.62
CO3	2.81	2.81													2.81
CO4	2.80	2.80	2.80	2.80	2.18										2.67
CO5	2.80	2.80	2.80		2.80				2.80	2.17	1.87	1.87			2.36
PO Attainment	2.80	2.80	2.80	2.81	2.34				2.65	2.02	1.87	1.87			2.44

[Signature]
HOD (S & H)

**PROFESSOR & HEAD
HUMANITIES & SCIENCE
TKR COLLEGE OF ENGINEERING & TECHNOLOGY**

[Signature]
Principal

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'W' Grade)




**DEPARTMENT OF SCIENCE & HUMANITIES
ELECTRONICS & COMMUNICATION ENGINEERING
(2023-24)**

Subject: LAODE (D1BSM1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94	2.94	2.94												2.94
CO2	2.22	2.22	2.22												2.22
CO3	1.96	1.96	1.96	1.96											1.96
CO4	2.18	2.18	2.18	2.18											2.18
CO5	1.61	1.61	1.61	1.61											1.61
PO Attainment	2.18	2.18	2.18	1.92											2.11

Subject Name: CPPS (D1ESCP1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.38														1.38
CO2	1.26														1.26
CO3	1.43														1.43
CO4	1.74	1.74	1.74												1.74
CO5	1.82	1.82	1.21												1.61
PO Attainment	1.53	1.78	1.48												1.59


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: EP (D1BSEP1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.38	2.38	2.38												2.38
CO2	2.02	2.02	2.02												2.02
CO3	1.63	1.63													1.63
CO4	1.82	1.82													1.82
CO5	1.44	1.44	1.44												1.44
PO Attainment	1.85	1.85	1.94												1.88

Subject Name: FEE (D1ESFEE)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.30	1.53	1.53												1.78
CO2	1.12	1.12	1.12												1.12
CO3	1.12	1.12	1.12												1.12
CO4	1.91	1.91	1.28												1.74
CO5	1.47	1.47	1.47												1.47
PO Attainment	1.59	1.43	1.30												1.44

Subject Name: EP LAB (D1BSEP2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.89	2.24													2.56
CO2	2.99	2.79	2.49	2.32											2.64
CO3	2.89	2.24													2.56
CO4	2.89	2.24													2.56
CO5	2.89	2.70	2.24												2.63
PO Attainment	2.91	2.44	2.37	2.32											2.51

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpeta, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'W' Grade)



Subject Name: CPPS LAB (DIESCP2)


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.80	2.80	2.49												2.69
CO2	2.81	2.81	2.50												2.70
CO3															
CO4															
CO5															
PO Attainment	2.80	2.80	2.49												2.69

Subject: Subject: IT WORKSHOP (DIESITW)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94														2.94
CO2	2.94	2.94													2.94
CO3	2.94	2.94	2.94												2.94
CO4	2.93	2.93	2.93	2.93	2.93										2.93
CO5	2.93	2.93	2.93	2.93	2.93										2.93
PO Attainment	2.94	2.94	2.93	2.93	2.93										2.94

Subject: ENGINEERING WORKSHOP (DIESEW1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.94	2.94	2.94	2.94	2.61				2.61	1.96		2.94			2.2.73
CO2	2.94	2.94	2.94	2.94	1.96					1.96		2.94			2.66
CO3	2.94	2.94								1.96		2.94			2.69
CO4	2.93	2.93	2.93	2.93	2.28					1.96		2.93			2.69
CO5	2.93	2.93	2.93		2.93				2.93	2.28	1.95	1.95			2.60
PO Attainment	2.94	2.94	2.94	2.94	2.45				2.77	2.02	1.95	2.74			2.32


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'W' Grade)



Subject: MT (D2BSM3)

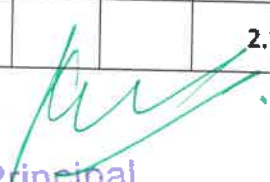
Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.11	2.11													2.11
CO2	1.92	1.92	1.92												1.92
CO3	2.08	2.08	2.08												2.08
CO4	1.78	1.78	1.78												1.78
CO5	2.45	2.45													2.45
PO Attainment	2.07	2.07	1.93												2.02

Subject: EC (D2BSEC1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.15	2.15	2.15												2.15
CO2	2.00	2.00	1.33												1.77
CO3	1.67	1.67	1.12												1.48
CO4	1.65	1.65	1.10												1.46
CO5	1.66	1.66	1.11												1.47
PO Attainment	1.83	1.83	1.36												1.67

Subject Name: EDC (D2ESED1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.17	2.17													2.17
CO2	2.35	2.35													2.35
CO3	1.38														1.38
CO4	2.18	2.18	2.18												2.18
CO5	1.42														1.42
PO Attainment	1.90	2.23	2.18												2.10


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject Name: ESE (D2HS1)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1							0.87	1.74	1.74	2.61		0.87			1.39
CO2							0.82	1.63	1.63	2.45		1.63			1.63
CO3								0.72	1.45	2.17		1.45			1.44
CO4							0.74	0.74	1.49	2.23		1.49			1.33
CO5								2.05		1.37		1.37			1.59
PO Attainment							0.81	1.38	1.58	2.17		1.36			1.46

Subject Name: CAEG (D2ESCEG)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.94	1.29													1.61
CO2	1.38	1.38	1.38												1.38
CO3	1.35	1.35	1.35												1.35
CO4	0.27	0.27	0.27												0.27
CO5	0.15	0.15													0.15
PO Attainment	1.02	0.89	1.00												0.97

Subject: EC LAB (D2BSEC2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.93	2.93	2.93	2.61											2.85
CO2	2.94	2.94	2.94	1.96											2.69
CO3	2.94	2.94	2.94	1.96											2.69
CO4	2.93	2.93	2.93	2.27											2.76
CO5	2.93	2.93	2.93	2.28											2.76
PO Attainment	2.93	2.93	2.93	2.22											2.75

[Signature]
Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: ED LAB (D2ESED2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1					2.94			1.96	2.94						2.61
CO2					2.94		1.96	1.96	2.94						2.45
CO3					2.93		2.93	1.95	2.93						2.68
CO4					2.94		2.94	1.96	2.94						2.69
CO5															
PO Attainment					2.94		2.61	1.96	2.94						2.61

Subject: ELCS LAB (D2HSE2)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1		0.98						0.98	2.94	2.94		1.96			1.96
CO2									1.96	2.94		1.96			2.20
CO3								0.98	1.96	2.94		0.98			1.71
CO4									1.95	2.93		0.98			1.95
CO5								0.98	1.95	2.93		0.98			1.71
PO Attainment		0.98						0.98	2.15	2.94		1.37			1.68

Subject: APPLIED PYTHON LAB (D2ESPP4)

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.66	2.66	2.66	2.66	2.37				2.37	1.77					2.45
CO2	2.67	2.67	2.67	2.67	1.78										2.49
CO3	2.66	2.66													2.66
CO4	2.66	2.66	2.66	2.66	2.06										2.54
CO5	2.66	2.66	2.66		2.66				2.66	2.06	1.77	1.77			2.36
PO Attainment	2.66	2.66	2.66	2.66	2.22				2.51	1.92	1.77	1.77			2.31

B. D.
HOD (S & H)
PROFESSOR & HEAD
HUMANITIES & SCIENCE
TKR COLLEGE OF ENGINEERING & TECHNOLOGY

[Signature]
Principal
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



DEPARTMENT OF SCIENCE & HUMANITIES

CIVIL ENGINEERING (2023-24)

Subject: DIBSM1 Linear Algebra and Ordinary Differential Equations

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.67	1.67	1.67												1.67
CO2	1.41	1.41	1.41												1.41
CO3	0.14	0.14	0.14	0.14											0.14
CO4	1.46	1.46	1.46	1.46											1.46
CO5	1.20	1.20	1.20	1.20											1.20
PO Attainment	1.18	1.18	1.18	0.93											1.12

Subject: D1BSEP2 Engineering Physics Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.94	2.94	2.94	2.94	2.61				2.61	1.96					2.71
LO2	2.96	2.96	2.96	2.96	1.97										2.76
LO3	2.94	2.94													2.94
LO4	2.97	2.97	2.97	2.97	2.30										2.84
LO5	2.94	2.94	2.94		2.94				2.94	2.28	1.96	1.96			2.61
PO Attainment	2.95	2.95	2.95	2.95	2.46	0.00	0.00	0.00	2.77	2.12	1.96	1.96	0.00	0.00	2.56


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Incepet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D1BSEP1 Engineering Physics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	1.56	1.56	2.34												1.82
LO2	1.23	1.23	1.23												1.23
LO3	1.09	1.09	1.09												1.09
LO4	1.51	1.51	1.51												1.51
LO5	1.36	1.36	2.04												1.59
PO Attainment	1.35	1.35	1.64												1.45

Subject: D1BSEP1 D1BSEP2 Engineering Physics Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.94	2.94	2.94		2.94	2.94						2.94			2.94
LO2	2.96	2.96	2.96	2.96	1.97										2.76
LO3	2.94	2.94				2.45						2.94			2.82
LO4	2.97	2.97	2.97	2.97	2.30					2.47					2.78
LO5	2.94	2.94	2.94		2.94				2.94		1.96	1.96			2.66
PO Attainment	2.95	2.95	2.95	2.96	2.54	2.69	0.00	0.00	2.94	2.47	1.96	2.61	0.00	0.00	2.70

Subject: D1ESBEE1 Basic Electrical and Electronics Engineering

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.45	1.63													2.04
CO2	1.79	1.79	1.79												1.79
CO3	0.99	0.99	0.99												3.00
CO4	2.54	2.54	2.54												2.54
CO5	1.11	1.11													1.11
PO Attainment	1.77	1.61	1.77												1.72

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: DIESEM1 Engineering Mechanics


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	0.56	1.69	1.13												1.13
CO2		1.52	2.28												1.90
CO3		1.81	1.21												1.51
CO4	1.38	0.92	1.38										0.92		1.53
CO5	0.78	0.78												0.78	1.17
PO Attainment	0.91	1.34	1.50										0.92	0.78	1.82

Subject: DIESBEE2 Basic Electrical & Electronics Engineering Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.80							2.80	2.49	1.87					2.49
LO2	2.83														2.83
LO3	2.80														2.80
LO4	2.83							1.89							2.36
LO5	2.80								2.80	2.17	1.87	1.87			2.30
PO Attainment	2.81	0.00	0.00	0.00	0.00	0.00	0.00	2.34	2.65	2.02	1.87	1.87	0.00	0.00	2.26

Subject: DIESDW Computer Aided Drawing Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.95	2.95	2.95	2.95	2.63				2.63	2.46	1.97	1.97			2.61
LO2	2.95	2.95	2.95	2.95	1.97				2.46	2.46	1.97	1.97			2.51
LO3															
LO4															
LO5															
PO Attainment	2.95	2.95	2.95	2.95	2.30	0.00	0.00	0.00	2.54	2.46	1.97	1.97	0.00	0.00	2.56


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2BSM2 Numerical Methods and Application


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.63	1.75													2.19
CO2	1.62	1.62	1.62												1.62
CO3	1.39	1.39	1.39										0.70		1.62
CO4	2.44	2.44	2.44										1.63	1.63	3.53
CO5	1.65	1.65												1.65	2.48
PO Attainment	1.95	1.77	1.82										1.16	1.64	2.78

Subject: D2BSM2 D2ESCP1 C Programming for Problem Solving

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.65	1.65	2.47												1.92
CO2	1.57	1.57	1.57	1.57	1.57										1.57
CO3	1.48	1.48	1.48												1.48
CO4	2.45	2.45	2.45		1.63	1.63									2.12
CO5	1.71	1.71					1.71	1.71		1.71					1.71
PO Attainment	1.77	1.77	1.99	1.57	1.60	1.63	1.71	1.71		1.71					1.72

Subject: D2BSAC1 Applied Chemistry

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.23	2.23													2.23
CO2	1.46	1.46	2.18												1.70
CO3	0.90	0.90	0.90												0.90
CO4	1.87	1.87	1.87												1.87
CO5	0.99	0.99													0.99
PO Attainment	1.49	1.49	1.65												1.54


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2BSAC2 Applied Chemistry Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.94	2.94	2.94	2.94	2.61				2.61	1.96					2.71
LO2	2.96	2.96	2.96	2.96	1.98										2.76
LO3	2.94	2.94													2.94
LO4	2.97	2.97	2.97	2.97	2.31										2.84
LO5	2.94	2.94	2.94		2.94				2.94	2.28	1.96	1.96			2.61
PO Attainment	2.95	2.95	2.95	2.96	2.46	0.00	0.00	0.00	2.78	2.12	1.96	1.96	0.00	0.00	2.57

Subject: D2HSE1 English for Skill Enhancement

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.65	1.65	2.47												1.92
CO2	1.57	1.57	1.57	1.57	1.57										1.57
CO3	1.48	1.48	1.48												1.48
CO4	2.45	2.45	2.45		1.63	1.63									2.12
CO5	1.71	1.71					1.71	1.71		1.71					1.71
PO Attainment	1.77	1.77	1.99	1.57	1.60	1.63	1.71	1.71		1.71					1.72

Subject: D2BSM2 D2ESEG1 Engineering Graphics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.83	1.22													1.53
CO2	1.07	1.07	1.07												1.07
CO3	0.85	0.85	0.85										0.42		0.99
CO4	1.51	1.51	1.51										1.01	1.01	2.18
CO5	1.35	1.35												1.35	2.03
PO Attainment	1.32	1.20	1.14										0.72	1.18	1.85

S & H HOD

**PROFESSOR & HEAD
HUMANITIES & SCIENCE
TKR COLLEGE OF ENGINEERING & TECHNOLOGY**

Principal

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



DEPARTMENT OF SCIENCE & HUMANITIES

Computer Science & Engineering (AI & ML)


(2023-24)

Subject: DIESITW1 IT Workshop and Elements of Computer Engineering

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.93	2.93	2.93	2.93	2.61				2.61	1.96					2.70
LO2	2.95	2.95	2.95	2.95	1.96										2.75
LO3	2.94	2.94													2.94
LO4	2.93	2.93	2.93	2.93	2.28										2.80
LO5	2.93	2.93	2.93		2.93				2.93	2.28	1.95	1.95			2.60
PO Attainment	2.94	2.94	2.94	2.94	2.45	0.00	0.00	0.00	2.77	2.12	1.95	1.95	0.00	0.00	2.56

Subject: D1BSM1 Linear Algebra and Ordinary Differential Equations

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.66	2.49	2.49												2.21
CO2	1.61	1.61	1.61												1.61
CO3															0.00
CO4															0.00
CO5	0.15	0.15	0.15	0.15										0.15	0.15
PO Attainment	1.14	1.42	1.42	0.15										0.15	0.86


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society . Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: DIESCEG Computer Aided Engineering Graphics


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.54	0.77	1.54	0.77	1.54		0.77	1.54	1.54	1.54	0.77	1.54			1.26
CO2	1.28	0.64	1.28	0.64	1.28		0.64	1.28	1.28	1.28	0.64	1.28			1.05
CO3	1.15	0.57	1.15	0.57	1.15		0.57	1.15	1.15	1.15	0.57	1.15	0.57	0.57	0.88
CO4	1.31	0.66	1.31	0.66	1.31		0.66	1.31	1.31	1.31	0.66	1.31			1.07
CO5	0.96	0.48	0.96	0.48	0.96		0.48	0.96	0.96	0.96	0.48	0.96	0.48	0.48	0.74
PO Attainment	1.25	0.62	1.25	0.62	1.25		0.62	1.25	1.25	1.25	0.62	1.25	0.53	0.53	0.95

Subject: DIBSEC1 Engineering Chemistry

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.85	2.77													2.31
CO2	1.32	1.32	1.99												1.54
CO3	1.45	1.45	1.45												1.45
CO4	1.45	2.18													1.82
CO5	1.35	1.35													1.35
PO Attainment	1.49	1.82	1.72												1.68

Subject: DIESCP1 C Programming for Problem Solving

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
CO1	3.00	2.00													2.50
CO2	2.00	2.00	2.00												2.00
CO3	2.00	2.00	2.00										1		1.75
CO4	3.00	3.00	3.00										2	2	2.60
CO5	2.00	2.00												2	2.00
PO Attainment	2.40	2.20	2.33										1.50	2.00	2.09


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D1ESCP3 C Programming for Problem Solving Lab


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.93	2.93	2.93	2.93	2.61				2.61	1.96					2.70
LO2	2.95	2.95	2.95	2.95	1.96										2.75
LO3	2.94	2.94													2.94
LO4	2.93	2.93	2.93	2.93	2.28										2.80
LO5	2.93	2.93	2.93		2.93				2.93	2.28	1.95	1.95			2.60
PO Attainment	2.94	2.94	2.94	2.94	2.45	0.00	0.00	0.00	2.77	2.12	1.95	1.95	0.00	0.00	2.56

Subject: D1HSE2 English Language and Communication Skills Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.94	2.94	2.94	2.94	2.61				2.61	1.96					2.70
LO2	2.95	2.95	2.95	2.95	1.96										2.75
LO3	2.94	2.94													2.94
LO4	2.94	2.94	2.94	2.94	2.28										2.80
LO5	2.93	2.93	2.93		2.93				2.93	2.28	1.95	1.95			2.60
PO Attainment	2.94	2.94	2.94	2.94	2.45	0.00	0.00	0.00	2.77	2.12	1.95	1.95	0.00	0.00	2.56

Subject: D2HSBF Business Economics and Financial Analysis

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.41	1.61													2.01
CO2	1.56	1.56	1.56												1.56
CO3	1.21	1.21	1.21										0.61		1.41
CO4	2.16	2.16	2.16										1.44	1.44	3.12
CO5	1.19	1.19												1.19	1.79
PO Attainment	1.71	1.54	1.64										1.02	1.31	2.41


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2BSAP1 Applied Physics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.39	1.59													1.99
CO2	0.17	0.17	0.17												0.17
CO3	0.16	0.16	0.16										0.08		0.19
CO4	0.27	0.27	0.27										0.18	0.18	0.39
CO5	0.16	0.16												0.16	0.24
PO Attainment	0.63	0.47	0.20										0.13	0.17	0.53

Subject: D2BSAP2 Applied Physics Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.94	2.94	2.94	2.94	2.62				2.62	1.96					2.71
LO2	2.96	2.96	2.96	2.96	1.97										2.76
LO3	2.95	2.95													2.95
LO4	2.96	2.96	2.96	2.96	2.30										2.83
LO5	2.94	2.94	2.94		2.94				2.94	2.29	1.96	1.96			2.61
PO Attainment	2.95	2.95	2.95	2.95	2.46	0.00	0.00	0.00	2.78	2.12	1.96	1.96	0.00	0.00	2.56

Subject: D2BSM5 Statistical Methods and Vector Calculus

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
CO1	1.25	1.25	1.88												1.46
CO2	0.99	0.99	1.48	0.99	0.99										1.09
CO3	0.91	0.91	0.91												0.91
CO4	1.26	1.26	1.89	1.89	1.89										1.64
CO5	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27						1.27
PO Attainment	1.13	1.13	1.48	1.38	1.38	1.27	1.27	1.27	1.27						1.29

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2ESBEE Basic Electrical Engineering

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.28	1.52	0.76	0.76											1.33
LO2	1.46	1.46	1.46	0.73											1.28
LO3	1.31	1.31	1.31	1.31											1.31
LO4	2.75	2.75	2.75	1.83											2.52
LO5	1.15	1.15	0.58	0.58											0.87
PO Attainment	1.79	1.64	1.37	1.04											1.46

Subject: D2ESBES Basic Electrical and Simulation Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1	2.82								2.51	1.88					2.40
LO2	2.83										0.94				1.89
LO3	2.82								1.88			0.94			1.88
LO4	2.82									1.41	0.94	0.47			1.41
LO5															
PO Attainment	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	1.64	0.94	0.70	0.00	0.00	1.66

Subject: D2ESDS Data Structures

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	3.00	2.00													2.50
CO2	2.00	2.00	2.00												2.00
CO3	2.00	2.00	2.00										1		1.75
CO4	3.00	3.00	3.00										2	2	2.60
CO5	2.00	2.00												2	2.00
PO Attainment	2.40	2.20	2.33										1.50	2.00	2.09

HOD S & H

**PROFESSOR & HEAD
HUMANITIES & SCIENCE
TKR COLLEGE OF ENGINEERING & TECHNOLOGY**

PRINCIPAL

**Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.**



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by INTUH,
Accredited by NBA & NAAC with 'A' Grade)




**DEPARTMENT OF SCIENCE & HUMANITIES
INFORMATION TECHNOLOGY
(2023-24)**

Subject: DIBSM1-Linear Algebra and Ordinary Differential Equations

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.68	2.52	2.52												2.24
CO2	1.65	1.65	1.65												1.65
CO3	1.41	1.41	1.41	1.41											1.41
CO4	1.58	1.58	2.37	2.37											1.98
CO5	1.08	1.08	1.08	1.08											1.08
PO Attainment	1.48	1.65	1.81	1.62											1.64

Subject: DIBSAP1 Applied Physics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.35	2.35	2.35												2.35
LO2	1.26	1.26	1.89												1.47
LO3	1.13	1.69	1.69												1.50
LO4	1.56	1.56	1.56												1.56
LO5	0.96	1.44	1.44												1.28
PO Attainment	1.45	1.66	1.79												1.63


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: DIBSAP1 DIBSAP2 Applied Physics Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	1.94	2.91													2.43
LO2	2.92	2.92													2.92
LO3	1.94	2.91													2.43
LO4	2.92	2.92													2.92
LO5	2.91	2.91													2.91
PO Attainment	2.52	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72

Subject: DIESBEE Basic Electrical Engineering

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.09	1.39		0.70											1.39
CO2	1.44	1.44	1.44	1.44											1.44
CO3	1.12	1.12	1.12	0.84											1.05
CO4	2.10	2.10	2.10	1.40											1.93
CO5	1.12	1.12	1.12	0.56											0.98
PO Attainment	1.57	1.43	1.45	0.99											1.36

Subject: DIESCEG Computer Aided Engineering Graphics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.13	1.42													1.775
CO2	1.08	1.08	1.08												1.08
CO3	0.99	0.99	0.99										0.49		0.865
CO4	1.50	1.50	1.50										1.00	1.00	1.3
CO5	1.04	1.04												1.04	1.04
PO Attainment	1.35	1.20	1.19										0.75	1.02	1.102

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpeta, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D1ESBES Basic Electrical and Simulation Lab


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.91							2.91	2.59	1.94					2.59
LO2	2.92								1.95		0.97				1.95
LO3	2.91							1.94		1.94	0.97				1.94
LO4	2.91											0.49			1.7
LO5															
PO Attainment	2.91							2.42	2.27	1.94	0.97	0.49			1.83

Subject: D2HSE2 English Language and Communication Skills Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.94	2.94		1.96									0.98		2.21
LO2	2.95	2.95		1.97					1.97				0.98		2.16
LO3	2.94	2.94								1.96					2.61
LO4	2.94	2.94	2.45												2.78
LO5	2.94	2.94	2.94							2.28					2.78
PO Attainment	2.94	2.94	2.69	1.96					1.97	2.12			0.98		2.23

Subject: D1ESCP5 Problem Solving using C Programming Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.87	2.87	2.87	2.87			1.91	1.91	2.55	1.91			0.96	2.87	2.36
LO2	2.88	2.88	2.88	2.88			1.92	0.96	2.88	2.88			1.92	2.88	2.50
LO3	2.87	2.87	1.92	1.92			1.92	1.92	2.87	1.92			1.92	1.92	2.21
LO4	2.88	2.88	2.88	2.88			2.88	1.92	2.88	2.88			1.92	2.88	2.69
LO5	2.87	2.87	2.87	1.91			1.91		2.87	2.23	1.91	1.91	1.91		2.33
PO Attainment	2.87	2.87	2.68	2.49			2.11	1.68	2.81	2.36	1.91	1.91	1.73	2.64	2.34


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2BSM5 Statistical Methods and Vector Calculus


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.52	1.68													2.10
CO2	1.70	1.70	1.70												1.70
CO3	1.45	1.45	1.45										0.72		1.27
CO4	2.23	2.23	2.23										1.49	1.49	1.93
CO5	1.55	1.55												1.55	1.55
PO Attainment	1.89	1.72	1.79										1.11	1.52	1.61

Subject: D2HSE1 English for Skill Enhancement

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.20	2.20	2.20										1.47		2.02
CO2	2.58	1.72	1.72	1.72	1.72										1.89
CO3															
CO4	2.29	1.53	1.53		1.53	1.53									1.68
CO5	1.70	1.14					1.14	1.14		1.14					1.25
PO Attainment	2.19	1.65	1.82	1.72	1.62	1.53	1.14	1.14		1.14			1.47		1.54

Subject: D2BSEC1 Engineering Chemistry

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.00	3.00													2.50
CO2	1.84	1.84													1.84
CO3	0.18	0.27													0.23
CO4	0.22	0.22													0.22
CO5	0.18	0.28													0.23
PO Attainment	0.88	1.12													1.00


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by INTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2BSEC2 Engineering Chemistry Lab

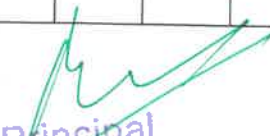
Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.93	2.28													2.61
LO2	1.97	2.29													2.13
LO3	1.96	2.28													2.12
LO4	2.94	2.29													2.62
LO5	1.96	2.28													2.12
PO Attainment	2.35	2.28													2.32

Subject: D2ESPP7 Python Programming Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.48	2.48	2.48	2.48	2.21				2.21	1.65					2.28
LO2	2.49	2.49	2.49	2.49	1.66										2.32
LO3	2.48	2.48													2.48
LO4	2.49	2.49	2.49	2.49	1.93										2.38
LO5	2.48	2.48	2.48		2.48				2.48	1.92	1.65	1.65			2.20
PO Attainment	2.48	2.48	2.48	2.49	2.07				2.34	1.79	1.65	1.65			2.16

Subject: D2ESED1 Electronic Devices and Circuits

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.27	1.51												1.51	1.76
CO2	2.05	2.05												1.37	1.82
CO3	2.11													1.40	1.76
CO4	1.87	1.87	1.25											1.25	1.56
CO5	2.35												1.57	1.57	1.83
PO Attainment	2.13	1.81	1.25										1.57	1.42	1.64


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)




Subject: D2ESED2 Electronics Devices and Circuits Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	LO Attainment
LO1					2.88			1.92	2.88				1.92	1.92	2.30
LO2					2.87		1.92	1.92	2.87					1.92	2.30
LO3					2.87		2.87	1.91	2.87					1.91	2.49
LO4					2.87		2.87	1.91	2.87					1.91	2.49
LO5															
PO Attainment					2.87	0.00	2.55	1.92	2.87				1.92	1.92	2.01

Subject: D2ESITW IT Workshop

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.63	2.63	2.63	2.63	2.34				2.34	1.75					2.42
LO2	2.64	2.64	2.64	2.64	1.76										2.46
LO3	2.63	2.63													2.63
LO4	2.63	2.63	2.63	2.63	2.05										2.51
LO5	2.62	2.62	2.62		2.62				2.62	2.04	1.75	1.75			2.33
PO Attainment	2.63	2.63	2.63	2.63	2.19	0.00	0.00	0.00	2.48	1.89	1.75	1.75	0.00	0.00	1.47


HODS & H
PROFESSOR & HEAD
HUMANITIES & SCIENCE
TKR COLLEGE OF ENGINEERING & TECHNOLOGY


PRINCIPAL
 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)




**DEPARTMENT OF SCIENCE & HUMANITIES
COMPUTERSCIENCE & ENGINEERING (DATASCIENCE)
(2023-24)**

Subject: D1BSM1 Linear Algebra and Ordinary Differential Equations

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.61	2.41	2.41												2.14
CO2	1.53	1.53	1.53												1.53
CO3	1.05	1.05	1.05	1.05											1.05
CO4	1.50	1.50	2.25	2.25											1.88
CO5	1.08	1.08	1.08	1.08											1.08
PO Attainment	1.35	1.52	1.67	1.46											1.50

Subject: D1BSEC1 Engineering Chemistry

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.71	2.71													2.71
CO2	1.33	1.33	1.99												1.55
CO3	1.40	1.40	2.10												1.63
CO4	1.53	1.53													1.53
CO5	1.25	1.25													1.25
PO Attainment	1.64	1.64	2.04												1.77


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society; Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: DIESCPI C Programming for Problem Solving


Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.81	1.21													1.51
CO2	1.15	1.15	1.15												1.15
CO3	1.12	1.12	1.12										0.56		0.98
CO4	1.80	1.80	1.80										1.20	1.20	1.56
CO5	1.06	1.06												1.06	1.06
PO Attainment	1.39	1.27	1.35										0.88	1.13	1.20

Subject: DIESITW IT Workshop

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.93	2.93	2.93	2.93	2.61				2.61	1.96					2.70
LO2	2.95	2.95	2.95	2.95	1.96										2.75
LO3	2.94	2.94													2.94
LO4	2.94	2.94	2.94	2.94	2.28										2.81
LO5	2.93	2.93	2.93		2.93				2.93	2.28	1.95	1.95			2.60
PO Attainment	2.94	2.94	2.94	2.94	2.45				2.77	2.12	1.95	1.95			2.56

Subject: DIESCIP3 C Programming for Problem Solving Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.70	2.61	2.52	2.52											2.59
LO2	2.70	2.70	2.52	2.52											2.61
LO3	2.70	2.70	2.70	2.52											2.66
LO4	2.70	2.70	2.70	2.52											2.66
LO5	2.70	2.70	2.52	1.80											2.43
PO Attainment	2.70	2.68	2.59	2.38											2.59


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU/H, Accredited by NBA & NAAC with 'A' Grade)



Subject: D1ESBEE Basic Electrical Engineering

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.21	1.48	1.11	0.74											1.39
CO2	1.43	1.43	1.43	0.72											1.25
CO3	1.20	1.20	1.20	0.60											1.05
CO4	2.03	2.03	2.03	0.68											1.69
CO5	1.17	1.17	0.88	0.59											0.95
PO Attainment	1.61	1.46	1.33	0.66											1.27

Subject: DIHSE2 English Language and Communication Skill Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.94	2.94	2.94	2.94	2.61				2.61	1.96					2.71
LO2	2.95	2.95	2.95	2.95	1.96										2.75
LO3	2.94	2.94													2.94
LO4	2.94	2.94	2.94	2.94	2.28										2.81
LO5	2.93	2.93	2.93		2.93				2.93	2.28	1.95	1.95			2.60
PO Attainment	2.94	2.94	2.94	2.94	2.45				2.77	2.12	1.95	1.95			2.56

Subject: D2BSM5 Statistical Methods and Vector Calculus

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.40	2.40													2.40
CO2	1.60	1.60	1.60												1.60
CO3	1.27	1.27	1.27												1.27
CO4	2.39	2.39	2.39												2.39
CO5	1.55	1.55													1.55
PO Attainment	1.84	1.84	1.75												1.81

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2HSFOM Fundamentals of Management

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.63	1.75													2.19
CO2	1.71	1.71	1.71												1.71
CO3	1.11	1.11	1.11										0.55		0.97
CO4	2.20	2.20	2.20										1.46	1.46	1.90
CO5	1.32	1.32												1.32	1.32
PO Attainment	1.79	1.62	1.67										1.01	1.39	1.50

Subject: D2BSAP1 Applied Physics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.29	1.53													1.91
CO2	1.33	1.33													1.33
CO3	1.34	1.34													1.34
CO4	1.74	1.16													1.45
CO5	1.24	1.24													1.24
PO Attainment	1.59	1.32													1.46

Subject: D2ESCEG Computer Aided Engineering Graphics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	1.71	0.85	1.71	0.85	1.71		0.85	1.71	1.71	1.71	0.85	1.71			1.40
CO2	1.60	0.80	1.60	0.80	1.60		0.80	1.60	1.60	1.60	0.80	1.60			1.31
CO3	1.37	0.68	1.37	0.68	1.37		0.68	1.37	1.37	1.37	0.68	1.37	0.68	0.68	1.05
CO4	1.75	0.88	1.75	0.88	1.75		0.88	1.75	1.75	1.75	0.88	1.75			1.43
CO5	1.26	0.63	1.26	0.63	1.26		0.63	1.26	1.26	1.26	0.63	1.26	0.63	0.63	0.97
PO Attainment	1.54	0.77	1.54	0.77	1.54		0.77	1.54	1.54	1.54	0.77	1.54	0.66	0.66	1.17

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



Subject: D2BSAP1 Applied Physics

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.35	1.56													1.96
CO2	1.49	1.49	1.49												1.49
CO3	1.44	1.44	1.44										0.72		1.26
CO4	1.78	1.78	1.78										1.19	1.19	1.54
CO5	1.27	1.27												1.27	1.27
PO Attainment	1.66	1.51	1.57										0.95	1.23	1.38

Subject: D2ESBES Basic Electrical and Simulation Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.81							2.81	2.50	1.88					2.50
LO2	2.82								1.88		0.94				1.88
LO3	2.81							1.88		1.88		0.94			1.88
LO4	2.81								1.41	1.41	0.94				1.64
LO5															
PO Attainment	2.82							2.34	1.93	1.72	0.94	0.94			1.78

Subject: D2BSAP2 Applied Physics Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.90	2.90	2.90	2.90	2.58				2.58	1.93					2.67
LO2	2.91	2.91	2.91	2.91	1.94										2.72
LO3	2.90	2.90													2.90
LO4	2.91	2.91	2.91	2.91	2.26										2.78
LO5	2.90	2.90	2.90		2.90				2.90	2.25	1.93	1.93			2.58
PO Attainment	2.90	2.90	2.91	2.91	2.42				2.74	2.09	1.93	1.93			2.53

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by INTUH,
Accredited by NBA & NAAC with 'A' Grade)



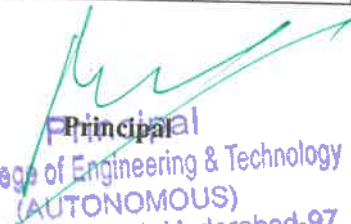
Subject: D2ESIOJ Introduction to object-oriented programming & data Structures using java

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
CO1	2.34	2.34													2.34
CO2	1.35	1.35	1.35												1.35
CO3	1.23	1.23	1.23										0.61		1.08
CO4	1.76	1.76	1.76										1.17	1.17	1.52
CO5	1.17	1.17												1.17	1.17
PO Attainment	1.57	1.57	1.44										0.89	1.17	1.33

Subject: D2ESIOL Introduction to object-oriented programming & Data Structures using java Lab

Course Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	CO Attainment
LO1	2.87	2.87	2.87	2.87	2.56								1.92	1.92	2.55
LO2	2.88	2.88	2.88	2.88	1.92								1.92	1.92	2.47
LO3	2.87	2.87											1.92	1.92	2.40
LO4															
LO5															
PO Attainment	2.88	2.88	2.88	2.88	2.24								1.92	1.92	2.51


S & H HOD
 PROFESSOR & HEAD
 HUMANITIES & SCIENCE
 TKR COLLEGE OF ENGINEERING & TECHNOLOGY


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society - Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



DEPARTMENT OF CSE(DS) 2023-24

2.6.2-Attainment of programme outcomes and course outcomes are evaluated by the institution.

I-I SEM		C-Programming												CO	
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	
CO1	0.96	1.96	2.74												1.9
CO2			2.76	1.97											2.4
CO3		1.94	2.65										1.79		2.3
CO4			2.50	1.81										1.43	2.0
CO5		1.42	1.98	1.42										1.79	1.6
PO	0.96	1.77	2.53	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	1.43	

I-I SEM		IT Workshop												CO	
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	
CO1	2.67	2.60	2.20												2.5
CO2	2.58	2.51	2.13						2.67	2.67					2.4
CO3	2.67	2.60	2.20						2.34	2.34					2.2
CO4		2.28	1.93						2.43	2.43					2.3
CO5		2.37	2.00						2.48	2.48					
achieved	2.64	2.47	2.09	0.00	0.00	0.00	0.00	0.00	2.48	2.48	0.00	0.00	0.00	0.00	

I-II SEM		IODJ												CO	
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	
CO1	2.16	2.11	1.78						2.16	2.16					1.8
CO2	1.92	1.87	1.58						1.92	1.92					1.8
CO3	2.16	2.11	1.78						1.92	1.92					1.8
CO4		1.87	1.58						1.92	1.92					1.8
CO5		1.87	1.58						1.92	1.92					1.8
PO	2.08	1.97	1.66	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	

Reserve

Dept. of CSE (DATA SCIENCE)
TKR College of Engineering & Technology
Meerpet, Hyderabad - 500014

TKR College of Engineering & Technology
(AUTONOMOUS)
Principal
Meerpet, Hyderabad-500014

II-I SEM Introduction to Data Science

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.40	2.34	1.98												2.2
CO2	2.40	2.34	1.98												2.2
CO3	2.40	2.34	1.98						2.40	2.40					2.3
CO4		2.34	1.98						2.40	2.40					2.3
CO5		2.11	1.78						2.16	2.16					2.1
PO	2.40	2.29	1.94	0.00	0.00	0.00	0.00	0.00	2.32	2.32	0.00	0.00	0.00	0.00	

II-I SEM Computer Organization & Operating Systems

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.84	1.79	1.52												1.7
CO2	1.60	1.56	1.32												1.5
CO3	1.60	1.56	1.32						1.60	1.60					1.5
CO4		1.33	1.12						1.36	1.36					1.3
CO5		1.33	1.12						1.36	1.36					1.3
PO	1.68	1.51	1.28	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.00	0.00	0.00	0.00	

II-I SEM Computer Networks

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	0.90	1.80	2.52												1.7
CO2			2.52	1.80											2.2
CO3		1.80	2.52										1.80		2.0
CO4			2.52	1.80										1.80	2.0
CO5		1.80	2.52	1.80										1.80	2.0
PO	0.90	1.80	2.52	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80	

II-I SEM PYTHON

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.40	2.34	1.98												2.2
CO2	2.40	2.34	1.98						2.40	2.40					2.2
CO3		2.34	1.98						2.16	2.16					2.1
CO4		2.11	1.78						2.16	2.16					2.1
PO	2.40	2.25	1.90	0.00	0.00	0.00	0.00	0.00	2.24	2.24	0.00	0.00	0.00	0.00	

Signature
 Dept. of CSE
 T.K.R. College of Engineering & Technology
 Meerpel, Hyderabad-500097

Signature
 KR College of Engineering & Technology
 (AUTONOMOUS)
 Meerpel, Hyderabad-500097
 Principal

II-II SEM Software Engineering

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.40	2.34	1.98												2.2
CO2	2.40	2.34	1.98						2.40	2.40					2.2
CO3	2.40	2.34	1.98						2.40	2.40					2.3
CO4		2.11	1.78						2.16	2.16					2.1
CO5		2.11	1.78						2.16	2.16					2.1
PO	2.40	2.25	1.90	0.00	0.00	0.00	0.00	0.00	2.24	2.24	0.00	0.00	0.00	0.00	

II-II SEM DWDM

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.40	2.34	1.98												2.2
CO2	2.40	2.34	1.98						2.40	2.40					2.2
CO3	2.40	2.34	1.98						2.40	2.40					2.3
CO4		2.34	1.98						2.40	2.40					2.3
CO5		2.11	1.78						2.16	2.16					2.1
PO	2.40	2.29	1.94	0.00	0.00	0.00	0.00	0.00	2.32	2.32	0.00	0.00	0.00	0.00	

II-II SEM DBMS

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	0.90	1.80	2.52												1.7
CO2			2.52	1.80											2.2
CO3		1.80	2.52												2.2
CO4			2.52	1.80									1.80		2.0
CO5		1.80	2.52	1.80										1.80	2.0
PO	0.90	1.80	2.52	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80	

II-II SEM Web Technologies

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.71	2.71	2.71	1.81	1.81				1.81	1.81			1.81	2.71	2.3
CO2	2.71	1.81	1.81						0.90	1.81			1.81	2.71	1.7
CO3	2.71	1.81	1.81						1.81	1.81			1.81	2.71	1.8
CO4	2.71	1.81	1.81						1.81	1.81			1.81	2.71	1.8
CO5	2.71	1.81	1.81	2.71					1.81	1.81			1.81	2.71	1.8
PO	2.26	1.99	1.99	2.26	1.81	0.00	0.90	0.00	1.81	1.63	0.00	1.63	1.63	1.99	

Handwritten notes:
 Dept. of CSE
 TK.R. College of Engineering & Technology
 Meerpet

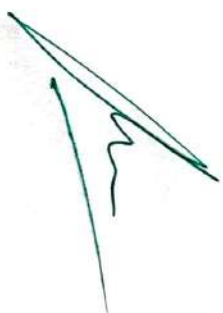
Handwritten notes:
 Principal
 TK.R. College of Engineering & Technology
 Meerpet

II-II SEM DAA

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.68	1.64	1.39												1.6
CO2	1.68	1.64	1.39												1.6
CO3	1.68	1.64	1.39						1.68	1.68					1.6
CO4		1.64	1.39						1.68	1.68					1.6
CO5		1.64	1.39						1.68	1.68					1.6
PO	1.68	1.64	1.39	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.00	0.00	0.00	0.00	

V. S. S. S.

Dept. of CSE (DATA SCIENCE)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097.



Principal
TKR College of Engineering & Technology
Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUHS,
Accredited by NBA & NAAC with 'A' Grade)



DEPARTMENT OF CSE(EDS) 2023-24

2.6.2-Attainment of programme outcomes and course outcomes are evaluated by the institution.

III-I SEM Web Technologies															
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.71	2.71	2.71	1.81	1.81		0.90		1.81	1.81		1.81	2.71	2.71	2.3
CO2	2.71	1.81	1.81				0.90		1.81	1.81		1.81	1.81	1.81	1.7
CO3	2.71	1.81	1.81				0.90		1.81	0.90		2.71	1.79	1.81	1.8
CO4	1.81	1.81	1.81				0.90		1.81	2.71		0.90	1.81	1.81	1.8
CO5	2.71	1.81	1.81	2.71				0.00	1.81	0.90		0.90	1.81	1.81	1.8
PO	2.26	1.99	1.99	2.26	1.81	0.00	0.90	0.00	1.81	1.63	0.00	1.63	2.25	1.99	

Machine learning															
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	0.98	1.96	2.74												1.9
CO2			2.75	1.97											2.4
CO3			1.95	2.73									1.96		2.3
CO4			2.75	1.96									1.96		2.2
CO5			1.96	2.74	1.96								1.96		2.2
PO	0.98	1.95	2.74	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	

Compiler Design															
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.42												0.71		1.4
CO2	1.43	1.07	1.90										0.71	0.94	1.3
CO3	1.42	1.06											0.71	0.95	1.0
CO4	1.43	1.07	1.90	1.78									0.71	0.95	1.3
CO5	1.42	1.06	1.89	1.77	0.00								0.71	0.94	1.3
PO	1.42	1.07	1.90	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.95	

Distributed Databases															
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.40	2.34	1.98						2.40	2.40					2.2
CO2	2.34	2.34	1.98						2.40	2.40					2.2
CO3	2.34	2.34	1.98						2.40	2.40					2.3
CO4	2.34	2.34	1.98						2.40	2.40					2.3
CO5	2.34	2.34	1.98						2.40	2.40					2.1
PO	2.11	1.78							2.16	2.16					2.1

Dr. V. KRISHNA
 HEAD OF THE DEPARTMENT
 DEPT. OF CSE (AUTONOMOUS)
 T.K.R. College of Engineering & Technology
 Meerpel, Hyderabad-97.

Medbowli, Meerpel, Hyderabad-97.

Software Engineering

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
PO	2.40	2.29	1.94	0.00	0.00	0.00	0.00	0.00	2.32	2.32	0.00	0.00	0.00	0.00	
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.93	1.95	2.15	1.95	2.93				1.95	1.47	1.95				1.95
CO2	2.68	1.79	1.97	1.79	2.68	1.79			1.79		1.79				1.79
CO3	2.93		2.15	1.96	2.93				1.96		1.96				1.96
CO4	2.95		2.16	1.97	2.95				1.97	1.48	1.97				1.97
CO5	2.93		2.15	1.96	2.93			1.96	1.96		1.96				1.96
PO	1.68	1.51	1.28	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.00	0.00	0.00	0.00	2.2

III-III SEM Natural Language Processing

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
PO	0.90	1.80	2.52	1.80											1.7
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	0.90	1.80	2.52	1.80											2.2
CO2			2.52	1.80											2.2
CO3		1.80	2.52												2.2
CO4			2.52	1.80									1.80		2.0
CO5		1.80	2.52	1.80										1.80	2.0
PO	0.90	1.80	2.52	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80	

Advanced Databases

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
PO	1.68	1.64	1.39	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.00	0.00	0.00	0.00	1.6
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.68	1.64	1.39												1.6
CO2	1.68	1.64	1.39												1.6
CO3	1.68	1.64	1.39						1.68	1.68					1.6
CO4		1.64	1.39						1.68	1.68					1.6
CO5		1.64	1.39						1.68	1.68					1.6
PO	1.68	1.64	1.39	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.00	0.00	0.00	0.00	1.6

Cloud Computing

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
PO	1.58	1.38	1.38	1.32	1.32	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.99	0.99	1.3
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.55	1.35	1.35	1.29	1.29								1.55	0.97	1.3
CO2	1.60	1.40	1.40	1.33	1.33								1.60	1.00	1.3
CO3	1.55	1.35	1.35										1.55		1.5
CO4	1.60	1.40	1.40										1.60		1.5
CO5	1.60	1.40	1.40	1.33	1.33								1.60	1.00	1.5
PO	1.58	1.38	1.38	1.32	1.32	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.99	0.99	1.3

IV-I SEM Big Data Analytics

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
PO	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0
CO2	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0
CO3	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0
CO4	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0
CO5	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0
PO	1.96	1.96	1.96	1.96	1.96								1.96	1.96	2.0

Dr. V. K. R. S. V.
HEAD OF THE DEPARTMENT
 Dept. of CSE
 T.K.R. College of Engineering & Technology
 Meerpet, Hyderabad-97.

Principal
 T.K.R. College of Engineering & Technology
 (AUTONOMOUS)
 2.0

PO	1.96	1.96	1.96	1.96	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	
Deep Learning																				
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO					
CO1	2.66	2.48	2.48	2.48	2.48								2.66	2.66	2.6					
CO2	2.42	2.25	2.25	2.25	2.25								2.42	2.42	2.3					
CO3	2.66	2.48	2.48	2.48	2.48								2.66	2.66	2.6					
CO4	2.68	2.50	2.50	2.50	2.50								2.68	2.68	2.6					
CO5	2.66	2.48	2.48	2.48	2.48								2.66	2.66	2.6					
PO	2.62	2.44	2.44	2.44	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	2.62						

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.45		2.45												2.4
CO2	2.46	2.46		1.97						2.95			1.97	1.97	2.3
CO3			2.45	1.96	1.96									1.96	2.1
CO4			2.23							2.68			1.79		2.2
CO5			2.22	1.78	1.78					2.66					2.1
PO	2.45	2.35	2.34	1.90	1.87	0.00	0.00	0.00	0.00	2.77	0.00	0.00	1.88	1.96	

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	1.95	2.07	0.89		2.49		1.95		1.60		2.31	1.95			1.9
CO2	1.96				2.49		1.96		1.60		2.32	1.96			2.0
CO3	2.15				2.74		2.15		1.76		2.45	2.15			2.3
CO4	2.16	2.29	0.98		2.75		2.16		1.77		2.45	2.16		1.96	2.1
CO5	2.15	2.28	0.98		2.74		2.15		1.76		2.54	2.15		1.96	2.1
PO	2.08	2.21	0.95	0.00	2.64	0.00	2.08	0.00	1.70	2.45	2.45	2.08	0.00	1.96	

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO-1	PSO-2	CO
CO1	2.40	2.34	1.98												2.2
CO2	2.40	2.34	1.98						2.40		2.40				2.2
CO3	2.40	2.34	1.98						2.40		2.40				2.3
CO4		2.34	1.98						2.40		2.40				2.3
CO5		2.11	1.78						2.16		2.16				2.1
PO	2.40	2.29	1.94	0.00	0.00	0.00	0.00	0.00	2.32	2.32	0.00	0.00	0.00	0.96	

Dr. V. KRISHNA
 HEAD OF THE DEPARTMENT
 Dept. of CSE (DATA SCIENCE)
 TKR, College of Engineering & Technology
 Meerpel, Hyderabad - 500 087

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpel, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Department of MBA

(2023-24)

Subject Name: Management and Organizational Behaviour

Subject Code: D141PC1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	0.90	0.60												
CO2	1.30	1.30	1.30											
CO3														
CO4														
CO5														
AVG	1.10	0.95	1.30											

Subject Name: Business Economics

Subject Code: D141PC2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.29	1.52												
CO2	1.10	1.10	1.10											
CO3														
CO4	1.67	1.67	1.67										1.12	1.12
CO5	1.07	1.07											1.07	1.07
AVG	1.53	1.34	1.39										1.12	1.09

Head, Dept. of Master of Business Administration

TKR College of Engineering & Technology
Meerpet, Balapur-97.

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Subject Name: FINANCIAL REPORTING AND ANALYSIS

Subject Code: D141PC3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	1.91												1.91
CO2	2.85													1.90
CO3	2.65	2.65	1.77											1.77
CO4	2.70	2.70	1.80											1.80
CO5	2.82	1.88											1.88	1.88
AVG	2.78	2.29	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	1.85

Subject Name: Research Methodology and Statistical Analysis

Subject Code: D141PC4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.29	1.52												
CO2	1.10	1.10	1.10											
CO3														
CO4	1.67	1.67	1.67										1.12	1.12
CO5	1.07	1.07											1.07	1.07
AVG	1.53	1.34	1.39										1.12	1.09

Head, Dept of Master of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Subject Name: LEGAL AND BUSINESS ENVIRONMENT

Subject Code: D141PC5

Cos/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	1.96										2.93	1.96
LO2	2.94	2.94	1.96	1.96									2.94	1.96
LO3	2.94	2.94	1.96	1.96									2.94	1.96
LO4	2.93	2.93	1.95										2.93	1.95
AVG	2.94	2.94	1.96	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	1.96

Subject Name: Business Ethics and corporate governance

Subject Code: D141OE6A

Cos/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1					2.93			1.96						
LO2					2.94		1.96	1.96	2.94	2.94				
LO3					2.94		2.94	1.96	2.94	2.94				
LO4					2.93		2.93	1.95	2.93	2.93				
AVG	0.00	0.00	0.00	0.00	2.94	0.00	2.61	1.96	2.94	2.94	0.00	0.00	0.00	0.00

Subject Name: Business Communication Lab

Subject Code: D141PC7

Cos/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.45	1.96	1.96									
LO2	2.94	2.94												
LO3	2.94	2.94			1.96	1.96								
LO4	1.95	1.95								1.95	1.95			
LO5	2.93	1.95	2.93							1.95	1.95		0.98	
AVG	2.74	2.54	2.69	1.96	1.96	1.96	0.00	0.00	0.00	1.95	1.95	0.98	0.00	0.00

[Signature]
 Head, Dept of Master of Business Administration
 TKR College of Engineering & Technology
 Meerpet, Balapur-97.

[Signature]
 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Subject Name: STATISTICAL DATA ANALYSIS LAB

Subject Code: D141PC8

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.19	1.46												
CO2	1.20	1.20	1.20										0.54	
CO3	1.07	1.07	1.07										1.08	1.08
CO4	1.63	1.63	1.63										1.03	
CO5	1.03	1.03											1.03	
AVG	1.42	1.28	1.30										0.81	1.06

Subject Name: Human Resources Management

Subject Code D142PC1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.62	1.08												
CO2	1.03	1.03	1.03											
CO3														
CO4														
CO5														
AVG	1.33	1.06	1.03											

Subject Name: Marketing Management

Subject Code: D142PC2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.89	1.26												
CO2	1.26	1.26	1.26										0.56	
CO3	1.12	1.12	1.12										1.18	1.18
CO4	1.77	1.77	1.77										1.29	
CO5	1.29	1.29											1.29	
AVG	1.47	1.34	1.38										0.87	1.23

Head, Dept. of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrct.ac.in



Subject Name: Financial Management

Subject Code: D142PC3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.62	1.08												
CO2	1.08	1.08	1.08											
CO3														
CO4														
CO5														
AVG	1.35	1.08	1.08											

Subject Name: Quantitative Analysis for Business Decisions

Subject Code: D142PC4

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.19	1.46												
CO2	1.26	1.26	1.26											
CO3														
CO4														
CO5														
AVG	1.72	1.36	1.26											


Head, Dept of Master of Business Administration
 TKR College of Engineering & Technology
 Meerpet, Balapur-97.


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Subject Name: ENTREPRENEURSHIP AND DESIGN THINKING
Subject Code: D142PC5

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
LO1	2.93	2.93	2.93	2.93	2.61				2.61	1.96				
LO2	2.94	2.94	2.94	2.94	1.96									2.94
LO3	2.94	2.94												2.94
LO4	2.93	2.93	2.93	2.93	2.28									
AVG	2.94	2.94	2.94	2.94	2.28	0.00	0.00	0.00	2.61	1.96	0.00	0.00	0.00	2.94

Subject Name: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Subject Code D142PC6

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
CO1	1.76	1.67	1.76	0.00										
CO2	1.67	1.67	2.28	2.76										
CO3	2.29	1.67	1.96	1.67									2.96	1.76
CO4	1.67	2.67	1.67	2.67									1.67	
CO5	2.20	2.67	2.67	1.67										1.96
AVG	1.92	2.07	2.07	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	1.86

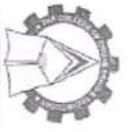
Subject Name: Total Quality management

Subject Code: D142OE7A

Head, Dept. of Master of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)
Medhowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrceet.ac.in



CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	0.98	1.77	2.6											
CO2			2.6	1.78										
CO3		1.77	2.6											
CO4			2.6	1.78									2	
CO5			2.6	1.78										1
Average	0.98	1.77	2.6	1.78	0	0	0	0	0	0	0	0	2	1

Subject Name: Production and Operations Management

Subject Code: D143PC1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	1.92		1.92								2.87	2.87	2.87
CO2	2.86	1.91	2.86	2.86								2.86	2.86	2.86
CO3	2.49	1.66		2.49	2.49							2.49	2.49	1.66
CO4	2.64	1.76		2.64	2.64							2.64	1.76	1.76
CO5	2.73	1.82		1.82	2.73							2.73	2.73	2.73
AVG	2.72	1.81	2.86	2.35	2.62	0.00	0.00	0.00	0.00	0.00	0.00	2.72	2.54	2.38

Subject Name: MANAGEMENT INFORMATION SYSTEMS

Subject Code: D143PC2

Principal

TKR College of Engineering & Technology

(AUTONOMOUS)

Medhowli, Meerpet, Hyderabad-97.

Head, Dept of Business Administration

TKR College of Engineering & Technology

Meerpet, Balapur-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1		0.24							0.16	0.16				
CO2														
CO3		0.48							0.32	0.32			0.32	0.32
CO4		0.48							0.32	0.32			0.32	0.32
CO5		0.48							0.32	0.32			0.32	
Average	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.00	0.00	0.32	0.32

Subject Name: BUSINESS ANALYTICS

Subject Code: DI43PC3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	0.00	0.00	0.00											
CO2	0.00		0.00	0.00									0.00	0.00
CO3		0.48	0.32											0.32
CO4			0.21	0.08	0.16									0.16
CO5	0.00		0.00											
Average	0.00	0.24	0.10	0.04	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16

Head, Dept of  of Bachelor of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.

Principal 
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrceet.ac.in




Subject Name: TALENT AND PERFORMANCE MANAGEMENT SYSTEMS
Subject Code: D143H1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	2.23				1.92					2.23			
CO2	2.86	1.91												
CO3	2.49	1.94								1.66	2.22	1.66	0.83	
CO4	2.64	2.35							2.35	1.76	1.76		1.76	1.76
CO5	2.12												0.91	1.82
AVG	2.60	2.11	0.00	0.00	0.00	1.92	0.00	0.00	2.35	1.71	2.07	1.66	1.17	1.79

Subject Name: Security Analysis & Portfolio Management

Subject Code: D143F1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.67	1.67	2.26	1.67										
CO2	2.67	1.67	2.28	1.67										
CO3	2.29	2.67	1.96	1.67									1.67	1.67
CO4	1.67	2.67	1.67	2.67									1.67	2.67
CO5	2.20		2.78	1.67									2.67	1.96
AVG	2.10	2.17	2.19	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.10


 Head, Dept of Master of Business Administration
 TKR College of Engineering & Technology
 Meerpet, Balapur-97.


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Subject Name: Learning and Development

Subject Code: D143H2

Cos/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
C01	2.87	2.87		2.87		1.92							2.87	2.86
C02	2.86	1.91												
C03	2.49	2.49		2.49		2.49								
C04	2.64	2.64		2.64										
C05	2.12													
AVG	2.60	2.48	0.00	2.67	0.00	2.20	0.00	0.00	0.00	0.00	0.00	0.00	2.87	2.86

Subject Name: RISK MANAGEMENT AND FINANCIAL DERIVATIVES

Subject Code: D143F2

Cos/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
C01	2.84	2.84	2.84											
C02	2.53	2.25												
C03	2.56	2.56												
C04	2.59	2.31												
C05	2.29	2.29	1.78		2.29	0.76								
AVG	2.56	2.45	2.31	0.00	2.29	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subject Name: EMPLOYEE RELATIONS

Subject Code: D143H3

Cos/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
C01	2.87	2.23		2.87										2.87
C02	2.86	1.91												
C03	2.49	1.94		2.49									1.66	2.49
C04	2.64	2.35												1.76
C05	2.12													1.82
AVG	2.60	2.11	0.00	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.24


 Head, Dept of Business Administration
 TKR College of Engineering & Technology
 Meerpet, Balapur-97.


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Subject Name: STRATEGIC COST AND MANAGEMENT ACCOUNTING


Subject Code: D143F3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
LO1	2.93	2.93	2.45	1.96	1.96									
LO2	2.94	2.94												
LO3	2.94	2.94			1.96	1.96								
LO4	1.95	1.95								1.95	1.95			
LO5	2.93	1.95	2.93							1.95	1.95	0.98		
AVG	2.74	2.54	2.69	1.96	1.96	1.96	0.00	0.00	0.00	1.95	1.95	0.98	0.00	0.00

Subject Name: Summer Internship

Subject Code: D143PC7

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	3										
CO2	2	1	2	2									1	3
CO3	3	2	1	2									2	2
CO4	2	3	2	3									3	3
CO5		3	3	2										
AVG	2.50	2.20	2.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.67


Head, Dept of Master of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Subject Name: Strategic Management

Subject Code: D144PCI

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
RU1														
RU2													1.77	1.77
RU3	2.65	2.65	2.65	2.65	2.65									2.70
RU4	2.70	2.70												1.88
RU5	2.82							2.82	2.82	2.82	2.82	2.82	2.82	1.88
AVG	2.72	2.67	2.65	2.65	2.65	0.00	0.00	2.82	2.82	2.82	2.82	2.82	1.77	2.12

Subject Name: International Human Resource Management

Subject Code: D144HI1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.67	1.67	2.67	2.20										
CO2	2.67	1.67	2.28	1.67									1.67	1.67
CO3	1.67	2.67	1.96	1.67									1.67	2.67
CO4	1.67	2.67	1.67	2.67									2.67	1.96
CO5	2.20	1.67	2.78	1.67									2.67	1.96
AVG	1.98	2.07	2.27	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.10

Subject Name: International Financial Management

Subject Code: D144FI1

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	2.86	1.91										2.86	1.91
CO2	2.85	2.85	1.90	1.90									2.85	1.90
CO3	2.65	2.65	1.77	1.77									2.65	1.77
CO4	2.70	2.70	1.80	1.80									2.70	1.80
CO5	2.82	2.82	1.88	1.88									2.82	1.88
AVG	2.78	2.78	1.85	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.78	1.85

Head of Department
 Master of Business Administration
 TKR College of Engineering & Technology
 Meerpet, Balapur-97.

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrceet.ac.in, web site: www.tkrceet.ac.in



Subject Name: Leadership and Change Management
Subject Code: D144H2

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.87	2.23	2.87			1.92	2.87	2.87			2.23			
CO2	2.86	1.91	2.86					2.86				1.66	0.83	
CO3	2.49	1.94				2.49	2.49	2.49		1.66	2.22	1.66	1.76	1.76
CO4	2.64	2.35	2.64					2.64		1.76	1.76		0.91	1.82
CO5	2.12					2.73	2.73						1.17	1.79
AVG	2.60	2.11	2.79	0.00	0.00	2.38	2.70	2.72	0.00	1.71	2.07	1.66	1.17	1.79

Subject Name: : STRATEGIC FINANCIAL MANAGEMEN
Subject Code: D144F3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2.86	1.91												1.91
CO2	2.85													1.90
CO3	2.65	1.77												1.77
CO4	2.70	1.80												1.80
AVG	2.76	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84

Subject Name: HR ANALYTICS

Subject Code: D144H3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1			1.91								1.91			
CO2			1.90								1.90			
CO3			1.77								1.77			
CO4			1.80								1.80			
CO5			1.88								1.88			
AVG	0.00	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00

[Signature]
Head, Dept of Master of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.

[Signature]
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade.

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H)

Medbowli, Meerpet, Balapur, Hyderabad, Telangana – 500 097

Phone: 9100377790, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



Subject Name: FINANCIAL ANALYTICS

Subject Code: D144F3

COs/Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.67	1.67	2.67	1.67									2.20	2.20
CO2	2.67	2.20	2.28	1.67									1.67	2.20
CO3	1.67	2.67	1.96	1.67									1.67	1.67
CO4	2.20	2.67	2.20	2.67									1.67	2.67
CO5	2.20	1.67	2.78	1.67									2.67	1.96
AVG	2.08	2.18	2.38	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	2.14

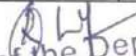

Head, Dept of Master of Business Administration
TKR College of Engineering & Technology
Meerpet, Balapur-97.



Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

2-6-2

R20 CO-PO MAPPING TARGET MATRIX

S.NO	Course code	Name	COUR	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2		
1	CBSM7	Linear Algebra & Applied Calculus	CO1	3	3	2	2	2								2	3	1	
			CO2	3	3	2	3	2									2	3	1
			CO3	3	3	2	2	2									2	3	1
			CO4	3	2	2	2	2									2	3	1
			CO5	3	3	3	2	2									2	2	1
			AVG	3	2.8	2.2	2.2	2	0	0	0	0	0	0	0	0	2	2.8	1
2	CHSE1	English	CO1									2	3		2				
			CO2									2	3		2				
			CO3										2	2		2			
			CO4										2	2		2			
			CO5										2	2		2			
			AVG	0	0	0	0	0	0	0	0	0	2	2.4	0	2	0	0	
3	CBSC3	Engineering Chemistry	CO1	3	3				2	2						2			
			CO2	3	2					2	2						2		
			CO3	3	2.33						2	2						2	
			CO4	3	2.67						2	2						2	
			CO5	3	3						2	2						2	
			AVG	3	2.6	0	0	0	0	2	2	0	0	0	0	0	2	0	0
4	CESBE2	Basic Electrical Engineering	CO1	3	3	3	3	3								3	3		
			CO2	3	3	2	3	3									3	3	
			CO3	3	3	3	3	3									2	3	
			CO4	3	2	3	3	2										3	3
			CO5	3	3	3	3	3										3	2
			AVG	3	2.8	2.8	3	2.8	0	0	0	0	0	0	0	0	2.8	2.8	0


 Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.

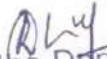

 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.

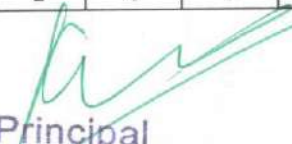
5	CHSE2	English Language & Communication Skills Lab	CO1								2	1	2		2			
			CO2								2	2	3		2			
			CO3								1	1	1		1			
			CO4								2	2	3	1	2			
			CO5								2	2	3		2			
			AVG	0	0	0	0	0	0	0	0	1.8	1.6	2.4	1	1.8	0	0
6	CBSC4	Engineering Chemistry Lab	CO1	3	3							2			2			
			CO2	3	3				2			2			2			
			CO3	2	3					2	2	2			2			
			CO4	3	2						2	2			2			
			CO5	3	3				2	2	2	2			2			
			AVG	2.8	2.8	0	0	0	2	2	2	2	0	0	2	0	0	
7	CESBE3	Basic Electrical Engineering Lab	CO1	2.5	2	2	2.2									1	2	
			CO2	2	1.5	2.5	2									2	2	
			CO3	2.5	2	2	2.5									2	2	
			CO4	2	2	2.5	2									2	2	
			CO5	2	1.5	2	2.5									2	2	
			AVG	2.2	1.8	2.2	2.24	0	0	0	0	0	0	0	0	0	1.8	2
8	CESBW1	Basic Workshop	CO1	3	3	2		3	2	2	2	3	3	3	3			
			CO2	3	3	2		3	2	2	2	3	3	3	3			
			CO3	3	3	2		3	2	2	2	3	3	3	3			
			CO4	3	3	2		3	2	2	2	3	3	3	3			
			CO5	3	3	2		3	2	2	2	3	3	3	3			
			AVG	3	3	2	0	3	2	2	2	3	3	3	3	0	0	
9	CBSM11	Differential Equations, Transform & Vector Calculus	CO1	3	3	2.67	2								2			
			CO2	3	3	2.33	2								2			
			CO3	3	3	2.67	2								2			
			CO4	3	3	2.67	2								2			
			CO5	3	3	2	2.5								2			
			AVG	3	3	2.47	2.1	0	0	0	0	0	0	0	0	2	0	0

Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.


Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.


10	CBSP1	Applied Physics	CO1	3	2.33	1											
			CO2	3	2	1											
			CO3	3	2.33	1							1		1		
			CO4	3	2.67	1							1		1		
			CO5	3	2	1							1		1		
			AVG	3	2.27	1	0	0	0	0	0	0	1	0	1	0	0
11	CESEG1	Engineering Graphics	CO1	2	1	2	1	2		1	2	2	2	1	2		
			CO2	2	1	2	1	2		1	2	2	2	1	2		
			CO3	2	1	2	1	2		1	2	2	2	1	2		
			CO4	2	1	2	1	2		1	2	2	2	1	2		
			CO5	2	1	2	1	2		1	2	2	2	1	2		
			AVG	2	1	2	1	2		1	2	2	2	2	1	2	
12	CESSD1	Semi-Conductor Devices & Circuits	CO1	3	2												
			CO2	3													
			CO3	3	3	2											
			CO4	3	3	2											
			CO5	3	2												
			AVG	3	2.5	2	0	0	0	0	0	0	0	0	0	0	0
13	CESCP1	C Programming for Problem Solving	CO1	3	2.33	2	2.5										
			CO2	3	2	2.5	2										
			CO3	3	2.33	2	2.5										
			CO4	3	2.67	2.5	2										
			CO5	2.33	2	2	2.5										
			AVG	2.87	2.27	2.2	2.3	0	0	0	0	0	0	0	0	0	0
14	CBSP2	Applied Physics Lab	CO1	3	3	2											
			CO2	3	3	2							1		1		
			CO3	3	3	2							1		1		
			CO4	3	3	2											
			CO5	3	3	2								1		1	
			AVG	3	3	2	0	0	0	0	0	0	0	1	0	1	0


 Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.

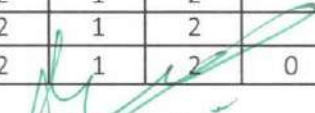
15	CESCP2	Programmi ng for Problem Solving Lab	CO1	3	3	3	3												
			CO2	3	3		3												
			CO3	3	3		3												
			CO4	3	3		3												
			CO5	3	3		3												
			AVG	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
16	CBSM12	Probability Numerical Methods and Complex Analysis	CO1	3	3	2	2									2			
			CO2	3	3	2	2									2			
			CO3	3	3	2	2									2			
			CO4	3	3	2	2									2			
			CO5	3	3	2	2									2			
			AVG	3	3	2	2									2			
17	C23PC1	Electrical Circuit Analysis	CO1	3	2	2	2									3	1	2	
			CO2	3	2	2	2									3	2	1	
			CO3	3	2	2	2									3	1	2	
			CO4	3	3	3	2										2	2	2
			CO5	3	2	2	2										3	2	2
			AVG	3	2.2	2.2	2										2.8	1.6	1.8
18	C23PC2	Analog Electronic s	CO1	3	2														
			CO2	2	2	2													
			CO3	2	2	2													
			CO4	3	3	3													
			CO5	2	2														
			AVG	2.4	2.2	2.33													
19	C23PC3	Electrical Machines- I	CO1	3	3	3	3		2							3	3		
			CO2	3	3	3	2		2		1	2	2			3	3		
			CO3	3	3	3	3		1					2		3	3		
			CO4	3	3	3	3		1			2				3	3		
			CO5	3	3	3	3		1			1	1			3	3		
			AVG	3	3	3	2.8		1.4			1	1.67	1.5	2		3	3	


 Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97

20	C23PC4	Electro Magnetic Fields	CO1	2	3	2	2	2	2							2	1	
			CO2	2	2	2	2	2	2								1	2
			CO3	2	2	2	2	2	2								1	2
			CO4	2	2	2	2	2	2								2	2
			CO5	2	2	2	1	2	2								1	2
			AVG	2	2.2	2	1.8	2	2								1.4	1.8
21	C23PC5	Analog Electronic s Lab	CO1	3	3					3		2						
			CO2	3	3	3					3	3						
			CO3	3	3	3					3	3						
			CO4	3	2													
			CO5	3	2													
			AVG	3	2.6	3	0	0	0	0	3	3	2	0	0	0	0	0
22	C23PC6	Electrical Machines Lab-I	CO1	3	3	3	3				3	2	3	3	3			
			CO2	3	3	3	2	2	2		1	3	2	3	2	3		
			CO3	3	2	3	1			2		3	2	2	2	3		
			CO4	3	3	2	1	2	1	1		3	1	3	2	3		
			CO5	3	2.5	2						3	1	2.5	1.5	3		
			AVG	3	2.75	2.75	1.75	2	1.5	1.5	1	3	1.75	2.75	2.25	3	0	
23	C23PC7	Electrical Circuit Analysis Lab	CO1	3	3	3	2	3	1			3	1		3	1	2	
			CO2	3	3	3	1	3	2			3	1		3	1	2	
			CO3	3	3	2	2	3	2			3	1		3	1	3	
			CO4	3	3	3	1	2	2			3	2		3	1	3	
			CO5	3	3	3	2	3	2			3	1		3	1	2	
			AVG	3	3	2.8	1.6	2.8	1.8	0	0	3	1.2	0	3	1	2.4	
24	CESEM1	Engineering Mechanics	CO1	3	2	2	2.5	2		1.5	2	2	2	1	2			
			CO2	3	2	2	2	2		2	2	2	2	1	2			
			CO3	3	2	2	2.5	2		1.5	2	2	2	1	2			
			CO4	3	2	2	2	2		2	2	2	2	1	2			
			CO5	3	2	2	2.5	2		1.5	2	2	2	1	2			
			AVG	3	2	2	2.3	2	0	1.7	2	2	2	2	1	2	0	0


 Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97

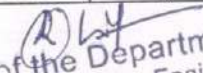

 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.

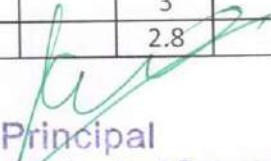
25	C24PC1	Digital Electronic s	CO1	3																
			CO2	3	2															
			CO3	3	3	2														
			CO4	3	3	2														
			CO5	3	3	3														
			AVG	3	2.75	2.33														
26	C24PC2	Electrical Machines- II	CO1	3	3	3	2								3	2	3			
			CO2	3	3	2	2								3	2	3			
			CO3	3	3	3	2								2	2	3			
			CO4	3	3	3	3								3	2	3			
			CO5	3	3	2	2								3	2	3			
			AVG	3	3	2.6	2.2								2.8	2	3			
27	C24PC3	Control Systems	CO1	3	3	3	3						1		3	2	3			
			CO2	3	3	3	3								3	2	3			
			CO3	3	2	3	3						1	2	3	3	3			
			CO4	3	3	3	3						1		3	2	3			
			CO5	3	3	3	3								3	2	3			
			AVG	3	2.8	3	3	0	0	0	0	0	1	2	3	2.2	3			
28	C24PC4	Power System-I	CO1	3	3	3									3		3			
			CO2	3	3	2									3		2			
			CO3	3	2	2									3		3			
			CO4	3	3	2	3								3		3			
			CO5	3	3	2	2								2		3			
			AVG	3	2.8	2.2	2.5	0	0	3	0	0	0	0	2.8	0	2.8			
29	C24PC5	Digital Electronics Lab	CO1	3	3									2						
			CO2	3	3	3								3	3					
			CO3	3	3	3								3	3					
			CO4	3	3	3								3	3					
			CO5	3	3	3								3	3					
			AVG	3	3	3	0	0	0	0	3	3	2	0	0	0	0			

Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Hyderabad-97.

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97

30	C24PC6	Electrical Machines Lab -II	CO1	3	3	3	3					3	2		3	3	2
			CO2	3	3	3	2					3	1		2	3	2
			CO3	3	3	3	3					3	2		3	3	2
			CO4	3	3	2	2					3	2		3	3	2
			CO5	3	3	3	3					3	2		3	3	2
			AVG	3	3	2.8	2.6	0	0	0	0	3	1.8	0	2.8	3	2
31	C24PC7	Control Systems Lab	CO1	3	3	3	3	3	1		2	3	1	2	3	2	2
			CO2	3	3	3	3	3	1		2	3	2	2	3	3	2
			CO3	3	3	3	3	3	2		1	3	1	3	3	2	3
			CO4	3	3	3	3	3	1		2	3	1	2	3	3	3
			CO5	3	3	3	3	3	1		2	3	1	2	3	2	3
			AVG	3	3	3	3	3	1.2	0	1.8	3	1.2	2.2	3	2.4	2.6
32	C25PC1	Power Electronics	CO1	3	3	3	3	3							3	3	
			CO2	3	3	2	3	3							3	3	
			CO3	3	3	3	3	3							2	3	
			CO4	3	2	3	3	2							3	3	
			CO5	3	3	3	3	3							3	2	
			AVG	3	2.8	2.8	3	2.8	0	0	0	0	0	0	2.8	2.8	0
33	C25PC2	Electrical Measurements and Instrumentation	CO1	3	3	3	3	3							3	3	
			CO2	3	3	2	3	3							3	3	
			CO3	3	3	3	3	3							2	3	
			CO4	3	2	3	3	2							3	3	
			CO5	3	3	3	3	3							3	2	
			AVG	3	2.8	2.8	3	2.8	0	0	0	0	0	0	2.8	2.8	0
34	C25PE3	Electrical Machine Design (Professional Elective-I)	CO1	3	3	3	2	2							3		3
			CO2	3	3	2	2	1							3		2
			CO3	3	3	3	2	2							2		2
			CO4	3	3	3	3	1							3		3
			CO5	3	3	2	2	2							3		3
			AVG	3	3	2.6	2.2	1.6							2.8		2.6


 Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Hyderabad-97.


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Hyderabad-97.

35	C25PC4	Power System-II	CO1	3	3	1	1							3		3		
			CO2	3	3	1	1								2		3	
			CO3	3	3	1	1									3		3
			CO4	3	2	1	1									3		2
			CO5	3	3	1	1									3		3
			AVG	3	2.8	1	1	0	0	0	0	0	0	0	0	2.8	0	2.8
36	C25OE5	Smart Grid Technologies (Open Elective-I)	CO1	3	3	3	3	3	1						3		3	
			CO2	3	2.8	3	2.8	2.7	2	1						3		3
			CO3	3	3	3	3	2.8		2						3		3
			CO4	3	3	2.8	2.8	2.8		2						3		3
			CO5	3	3	2.8	2.8	3								3		3
			AVG	3	2.96	2.92	2.88	2.86	1.5	1.67	0	0	0	0	0	3	0	3
37	C25PC6	Electrical Systems Simulation Lab	CO1	3	2.5	2.5	2		2	2				2	3	2	3	
			CO2	3	2	2.5	1		2	2.5					2	3	2.5	3
			CO3	3	2.5	2	2.5		1.5	2.5					2	2	2	3
			CO4	3	2	2.5	1.5		1.5	2					2	3	2.5	3
			CO5	3	2.25	2.38	1.75		1.75	2.25					2	2.75	2.25	3
			AVG	3	2.25	2.38	1.75	0	1.75	2.25	0	0	0	2	2.75	2.25	3	
38	C25PC7	Power Electronics Lab	CO1	3	3	3	3	2				3	1		3	3		
			CO2	3	3	3	3	2				3	1		3	3	2	
			CO3	3	3	3	3	3				2	1		3	3	2	
			CO4	3	3	2	3	3				3	2		3	3	2	
			CO5	3	3	3	3	3				3	2		2	3		
			AVG	3	3	2.8	3	2.6	0	0	0	2.8	1.4	0	2.8	3	2	
39	CHSE3	Advanced English Communication Skills Lab	CO1										2	3		2		
			CO2										3	3		2		
			CO3										2	2		2		
			CO4										2	2		1		
			CO5										2	2		2		
			AVG	0	0	0	0	0	0	0	0	0	2.2	2.4	0	1.8	0	0

Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Hyderabad-97:

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Madhavi, Meenpet, Hyderabad-97

40	C25PC8	Electrical Measurements and Instrumentation Lab	CO1	3	1	2	3	3		2		2		1	1	3	
			CO2	3	2	2	3	3				1		1	1	3	
			CO3	3	2							2				3	
			CO4	2	2	3		3				3		2	2	3	
			CO5	2.6	1.8	2.5	3	2.33								3	
			AVG	2.72	1.76	2.38	3	2.83	0	2	0	2	0	1.33	1.33	3	0
41	CHSM1	Business Economics and Financial Analysis	CO1			1			2	2	2	2	2	2			
			CO2		2	2					1	1	1	2			
			CO3								1	2	3	1			
			CO4								3	2	2	1			
			CO5	3	3						1	1	2	2			
			AVG	3	2.5	1.5			2	2	2	1.6	1.6	2	1.6		
42	C26PC1	Power System Protection	CO1	3	3	3	2	2	1	1				3	2	3	
			CO2	3	3	3	3	3	1	1				3	2	3	
			CO3	3	3	3	3	3	3	1				3	1	3	
			CO4	3	3	3	3	2	1					3	2	3	
			CO5	3	3	3	3	2	1					3	1	3	
			AVG	3	3	3	2.8	2.4	1.4	1	0	0	0	0	3	1.6	3
43	C26PC2	Power System Operation and Control	CO1	3	2	3	2							3	2	3	
			CO2	3	3	3	2							2	2	3	
			CO3	3	3	3	2							3	2	3	
			CO4	3	3	2	2							3	2	3	
			CO5	3	3	2	2							3	2	3	
			AVG	3	2.8	2.6	2							2.8	2	3	
44	C26PC3	Microprocessors & Microcontrollers	CO1	3	3	3	3										
			CO2	3	3	3	3										
			CO3	3	3	3	3										
			CO4	3	3	3	2										
			CO5	3	3	2											
			AVG	3	3	2.8	2.75										

Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Hyderabad-97.

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)

45	C26PE4	Line-Commutated and Active Rectifiers (Professional)	CO1	3	2.5	2	1.5							3	3	2.5	
			CO2	3	3	2.5	1								3	3	2
			CO3	3	2.5	2.5	2								3	3	2.5
			CO4	3	2.5	2.5	2								2	3	2
			CO5	3	3	1	1								3	3	2.5
			AVG	3	2.7	2.1	1.5								2.8	3	2.3
46	C26OE5	Renewable Energy Sources (Open Elective-II)	CO1	3	3	3	3	3		3				3		3	
			CO2	3	3	2	3	3		3				3		3	
			CO3	3	3	3	2	3		3				3		3	
			CO4	3	3	2	3	3		3				3		3	
			CO5	3	3	2	3	2		2				3		3	
			AVG	3	3	2.4	2.8	2.8		2.8				3		3	
47	C26PC6	Power System Lab	CO1	3	3	3	2	3			3	1		3		3	
			CO2	3	3	3	1	3			3	1		3		3	
			CO3	3	3	2	2	3			3	1		3		3	
			CO4	3	3	3	2	2			3	2		3		3	
			CO5	3	3	3	2	3			3	2		3		3	
			AVG	3	3	2.8	1.8	2.8	0	0	0	3	1.4	0	3	0	3
48	C26PC7	Microprocessors & Microcontrollers Lab	CO1					3		3	2						
			CO2					3		3	2						
			CO3					3		3	2						
			CO4					3		3	2.33						
			CO5					3		3	2.33						
			AVG	0	0	0	0	3	0	0	3	2.13	0	0	0	0	0
49	C26ES8	Python Programming Lab	CO1	3	3	3	3	3			3	2		2			
			CO2	3	3	3	3	3			3	2		3			
			CO3	3	3	2	2	3			2	1		2			
			CO4	3	3	3	3	3			2	2		2			
			CO5	3	3	3	2	3			3	1	2	2			
			AVG	3	3	2.8	2.6	3	0	0	0	2.6	1.6	2	2.2	0	0

Head of the Department
 Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Hyderabad-97.

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.

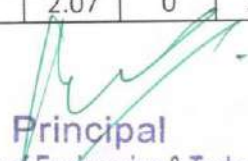
50	CHSM2	Fundamentals of Management	CO1						2				2						
			CO2			2													
			CO3										2	3	2				
			CO4									3	2	2					
			CO5																
			AVG			2				2			3	2	2.33	2			
51	C27PE1	Hybrid Electrical Vehicles	CO1	3	3	3	3	2		2				2	3	2			
			CO2	3	3	2	3	1		3					3	2	2		
			CO3	3	2	3	3	2		3					2	3	2		
			CO4	3	2	2	3	2		2					2	3	2		
			CO5	3	3	3	3	3		3					2	2	2		
			AVG	3	2.6	2.6	3	2	0	2.6	0	0	0	0	0	2.2	2.6	2	
52	C27PE2	HVDC Transmission Systems	CO1	3	3	3	3							2	2	3			
			CO2	3	3	3	3								3	2	3		
			CO3	3	3	2	2									3	2	3	
			CO4	3	3	3	3									3	2	3	
			CO5	3	3	3	3									3	2	3	
			AVG	3	3	2.8	2.8									2.8	2	3	
53	C27OE3	Operating System	CO1	3	2	2													
			CO2	3	3	3													
			CO3	3	2	1													
			CO4	3	2	3													
			CO5	3	2	2													
			AVG	3	2.2	2.2													
54	C27PC4	Electrical & Electronics Design Lab	CO1	3	3	3						3	2		3	3			
			CO2	3	2	3							3	2		2	3		
			CO3	3	3	2								2	2		3	3	
			CO4	3	3	3									2	2		3	3
			CO5	3	3	3									3	2.33		3	3
			AVG	3	2.8	2.8	0	0	0	0	0	0	0	2.6	2.07	0	2.8	3	0

Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medhawal, Meemnet, Hyderabad-97

Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medhawal, Meemnet, Hyderabad-97

55	C27PW6	Major Project Phase I	CO1	3	3	3	3	3				3	3	2	3	3	3	
			CO2	3	3	3	3	3				3	2	3	3	3	3	3
			CO3	3	3	3	3	3				3	3	3	3	3	3	3
			CO4	3	3	3	3	3				3	3	3	3	3	3	3
			CO5	3	3	3	3	3				3	3	3	2	2	2	3
			AVG	3	3	3	3	3	0	0	0	3	2.8	2.8	2.8	2.8	2.8	3
56	C28OE1	Cloud Computing	CO1	3	2													
			CO2	2	2	2												
			CO3	2	2	2												
			CO4	3	3	3												
			CO5	2	2													
			AVG	2.4	2.2	2.33												
57	C28PE2	Electrical Distribution Systems	CO1	3	3	3	2	2							3	2	3	
			CO2	3	3	2	3	3							3	1	3	
			CO3	2	3	3	3	2							3	2	3	
			CO4	3	2	3	2	2							3	2	3	
			CO5	3	3	3	3	2							3	3	3	
			AVG	2.8	2.8	2.8	2.6	2.2	0	0	0	0	0	0	3	2	3	
58	C28PE3	Utilization of Electrical Energy	CO1	3	2	2	2								2	2	2	
			CO2	3	3	2	2								2	2	2	
			CO3	3	3	2	2								2	2	3	
			CO4	3	2	2	3								2	2	3	
			CO5	3	2	2	2								2	2	2.6	
			AVG	3	2.4	2	2.2								2	2	2.6	
59	C28PW4	Major Project Phase II	CO1	3	3	3	3	3				3	3	3	3	3	3	
			CO2	3	3	3	3	3				3	2	3	3	2	3	
			CO3	3	3	3	3	3				3	3	2	3	2	3	
			CO4	3	3	3	3	3				3	3	3	3	3	3	
			CO5	3	3	3	3	3				3	3	3	2	2	3	
			AVG	3	3	3	3	3	0	0	0	3	2.8	2.8	2.8	2.6	3	
60	C27PW5	Comprehensive Viva/Test	CO1	3	3	3							2		3	3		
			CO2	3	2	3							2		3	3		
			CO3	3	3	2							2		3	3		
			CO4	3	3	3							2		3	3		
			CO5	3	3	3							2.33		3	3		
			AVG	3	2.8	2.8	0	0	0	0	0	0	2.07	0	2.8	3	0	


 Head of the Department
 Electrical & Electronics Engineering
 TKR College of Engineering & Technology
 (Autonomous)
 Medhwal, Meerpur, Hyderabad-97.


 Principal
 TKR College of Engineering & Technology
 (AUTONOMOUS)
 Medhwal, Meerpur, Hyderabad-97

R20 Co-PO attainment

		TARGET														
S.No	Course code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	CBSM7	Linear Algebra & Applied Calculus	3	2.8	2.2	2.2	-	-	-	-	-	-	-	2	-	-
2	CHSE1	English	-	-	-	-	-	-	-	-	2	2.4	-	2	-	-
3	CBSC3	Engineering Chemistry	3	2.6	-	-	-	2	2	-	-	-	-	2	-	-
4	CESBE2	Basic Electrical Engineering	3	2.8	2.8	3	2.8	-	-	-	-	-	-	2.8	2.8	-
5	CHSE2	English Language & Communication Skills Lab	-	-	-	-	-	-	-	1.8	1.6	2.4	1	1.8	-	-
6	CBSC4	Engineering Chemistry Lab	2.8	2.8	-	-	-	2	2	2	2	-	-	2	-	-
7	CESBE3	Basic Electrical Engineering Lab	2.2	1.8	2.2	2.24	-	-	-	-	-	-	-	-	1.8	2
8	CESBW1	Basic Workshop	3	3	2	-	3	2	2	2	3	3	3	3	-	-
9	CBSM11	Equations, Transforms & Vector Calculus"	3	3	2.47	2.1	-	-	-	-	-	-	-	2	-	-
10	CBSP1	Applied Physics	3	2.27	1	-	-	-	-	-	-	1	-	1	-	-
11	CESEG1	Engineering Graphics	2	1	2	1	2	-	1	2	2	2	1	2	-	-
12	CESSD1	Semi-Conductor Devices & Circuits	3	2.5	2	-	-	-	-	-	-	-	-	-	-	-
13	CESCP1	C Programming for Problem Solving	2.87	2.27	2.2	2.3	-	-	-	-	-	-	-	-	-	-
14	CBSP2	Applied Physics Lab	3	3	2	-	-	-	-	-	-	1	-	1	-	-
15	CESCP2	C Programming for Problem Solving Lab	3	3	3	3	-	-	-	-	-	-	-	-	-	-
16	CBSM12	Probability, Numerical Methods and Complex Analysis	3	3	2	2	-	-	-	-	-	-	-	2	-	-
17	C23PC1	Electrical Circuit Analysis	3	2.2	2.2	2	-	-	-	-	-	-	-	2.8	1.6	1.8
18	C23PC2	Analog Electronics	2.4	2.2	2.33	-	-	-	-	-	-	-	-	-	-	-
19	C23PC3	Electrical Machines-I	3	3	3	2.8	-	1.4	-	1	1.67	1.5	2	3	3	-
20	C23PC4	Electro Magnetic Fields	2	2.2	2	1.8	2	2	-	-	-	-	-	1.4	1.8	-

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medhawal, Meerpeta, Hyderabad-97.

Head of the Department
Electrical & Electronics Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)

21	C23PC5	Analog Electronics Lab	3	2.6	3	-	-	-	-	3	3	2	-	-	-	-
22	C23PC6	Electrical Machines Lab-I	3	2.75	2.75	1.75	2	1.5	1.5	1	3	1.75	2.75	2.25	3	-
23	C23PC7	Electrical Circuit Analysis Lab	3	3	2.8	1.6	2.8	1.8	-	-	3	1.2	-	3	1	2.4
24	CESEM1	Engineering Mechanics	3	2	2	2.3	2	-	1.7	2	2	2	1	2	-	-
25	C24PC1	Digital Electronics	3	2.75	2.33	-	-	-	-	-	-	-	-	-	-	-
26	C24PC2	Electrical Machines-II	3	3	2.6	2.2	-	-	-	-	-	-	-	2.8	2	3
27	C24PC3	Control Systems	3	2.8	3	3	-	-	-	-	-	1	2	3	2.2	3
28	C24PC4	Power System-I	3	2.8	2.2	2.5	-	-	3	-	-	-	-	2.8	-	2.8
29	C24PC5	Digital Electronics Lab	3	3	3	-	-	-	-	3	3	2	-	-	-	-
30	C24PC6	Electrical Machines Lab -II	3	3	2.8	2.6	-	-	-	-	3	1.8	-	2.8	-	2
31	C24PC7	Control Systems Lab	3	3	3	3	3	1.2	-	1.8	3	1.2	2.2	3	2.4	2.6
32	C25PC1	Power Electronics	3	2.8	2.8	3	2.8	-	-	-	-	-	-	2.8	2.8	-
33	C25PC2	Electrical Measurements and Instrumentation	3	2.8	2.8	3	2.8	-	-	-	-	-	-	2.8	2.8	-
34	C25PE3	Electrical Machine Design (Professional Elective-I)	3	3	2.6	2.2	1.6	-	-	-	-	-	-	2.8	-	2.6
35	C25PC4	Power System-II	3	2.8	1	1	-	-	-	-	-	-	-	2.8	-	2.8
36	C25OE5	Smart Grid Technologies (Open Elective-I)	3	2.96	2.92	2.88	2.86	1.5	1.67	-	-	-	-	3	-	3
37	C25PC6	Electrical Systems Simulation Lab	3	2.25	2.38	1.75	-	1.75	2.25	-	-	-	2	2.75	2.25	3
38	C25PC7	Power Electronics Lab	3	3	2.8	3	2.6	-	-	-	2.8	1.4	-	2.8	3	2
39	CHSE3	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	2.2	2.4	-	1.8	-	-
40	C25PC8	Electrical Measurements and Instrumentation Lab	2.72	1.76	2.38	3	2.83	-	2	-	2	-	1.33	1.33	3	-
41	CHSM1	Business Economics and Financial Analysis	3	2.5	1.5			2	2	2	1.6	1.6	2	1.6		

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Head of the Department
Electrical & Electronics Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)

42	C26PC1	Power System Protection	3	3	3	2.8	2.4	1.4	1	-	-	-	-	3	1.6	3
43	C26PC2	Power System Operation and Control	3	2.8	2.6	2	-	-	-	-	-	-	-	2.8	2	3
44	C26PC3	Microprocessors & Microcontrollers	3	3	2.8	2.75										
45	C26PE4	Line-Commutated and Active Rectifiers (Professional Elective-II)	3	2.7	2.1	1.5	-	-	-	-	-	-	-	2.8	3	2.3
46	C26OE5	Renewable Energy Sources (Open Elective-II)	3	3	2.4	2.8	2.8	-	2.8	-	-	-	-	3	-	3
47	C26PC6	Power System Lab	3	3	2.8	1.8	2.8	-	-	-	3	1.4	-	3	-	3
48	C26PC7	Microprocessors & Microcontrollers Lab	-	-	-	-	3	-	-	3	2.13	-	-	-	-	-
49	C26ES8	Python Programming Lab	3	3	2.8	2.6	3	-	-	-	2.6	1.6	2	2.2	-	-
50	CHSM2	Fundamentals of Management			2			2			3	2	2.33	2		
51	C27PE1	Hybrid Electrical Vehicles	3	2.6	2.6	3	2	-	2.6	-	-	-	-	2.2	2.6	2
52	C27PE2	HVDC Transmission Systems	3	3	2.8	2.8	-	-	-	-	-	-	-	2.8	2	3
53	C27OE3	Operating System	3	2.2	2.2											
54	C27PC4	Electrical & Electronics Design Lab	3	2.8	2.8	-	-	-	-	-	2.6	2.07	-	2.8	3	-
55	C27PW6	Major Project Phase I	3	3	3	3	3	-	-	-	3	2.8	2.8	2.8	2.8	3
56	C28OE1	Cloud Computing	2.4	2.2	2.33	-	-	-	-	-	-	-	-	-	-	-
57	C28PE2	Electrical Distribution Systems	2.8	2.8	2.8	2.6	2.2	-	-	-	-	-	-	3	2	3
58	C28PE3	Utilization of Electrical Energy	3	2.4	2	2.2	-	-	-	-	-	-	-	2	2	2.6
59	C28PW4	Major Project Phase II	3	3	3	3	3	-	-	-	3	2.8	2.8	2.8	2.6	3
60	C27PW5	Comprehensive Viva/Test	3	3	3	3	3	-	-	-	3	2.8	2.8	2.8	2.6	3
			2.91	2.68	2.46	2.42	2.60	1.73	1.97	2.05	2.53	1.88	2.06	2.46	2.36	2.64

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Hyderabad-97.

Head of the Department
Electrical & Electronics Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medhoubli, Meerpet, Hyderabad-97.