ESHAN COLLEGE OF ENGINEERING, FARAH, MATHURA

	Department of Civil Engin	eerin	g (CE)											
	Programme: B.Tech. Civil Engir	neerinį	g (CE)			7									
со	Course Code/Course Name/ Course Outcome (CO)				ı	Progra	mme (Outco	me (P	°O)		V ZN		Specific	ramme : Outcome
CO1	RAS303 : Maths-III Remember the concept of Laplace transform and apply in solving real life problems	PO1	PO2	PO3	PO4	PO5	P06	P07	P08	P09	PO10	PO11	PO12	PSO1	PSO2
CO2	Understand the concept of Explace transform and apply in solving real life problems Personal the concept of Fourier and Z – transform to evaluate engineering problems	3	2	2	2	1000		1	1.00	1.05	1.020		1011	1301	1
CO3	Remember the concept of Formal Logic, Group and Rings to evaluate real life problems	3	2	2	2			7			77.10				1
CO4	Apply the concept of Set, Relation, function and Counting Techniques	3	2	2	2	0.114,5.1	Mark Say					ATT THE			1
05	Apply the concept of lattices and Boolean Alecha to conting Lechniques	2	2	3	3	1 1 1 1 1 1	CAVA T							1	1
	Apply the concept of Lattices and Boolean Algebra to create Logic Gates and Circuits, Truth Table, Boolean Functions, Karnaugh Maps	2	2	3	3		1								1
	Target Outcome (Average) PO	2.6	2	2.4	2.4			1							1
						1200	The				- Parayari				
10/12	KOE038/48 : Electronics Engineering		1												
:01	Understand the concept of PN junction and special purpose diedes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PO12	PSO1	PSO2
LOZ	Study the application of conventional diode and semiconductor diode	1	2	2	2	2	Jan			1	166		1		2
-03	Analyze the I-V characteristics of BJT and FFT	1	3	2	2	2									2
:04	Analyze the of Op-Amp, amplifiers, integrator, and differentiator		3	3	3	3									2
.05	Understand the concept of digital storage oscilloscope and compare of DSO with analog oscilloscope	_	3	3	3	3									2
		1	3	3	3	3									2
	Target Outcome (Average) PO	1	2.8	2.6	2.6	2.6				Secretary of					2
01	KAS 301: Technical Communication	PO1	PO2	PO3	P04	PO5	P06	PO7	PO8	PO9					
02	Understand the nature and objective of Technical Communication relevant for the work place as Engineers	FOI	FUZ	PUS	P04	POS	PO6	PO7	PO8	P09	PO10	PO11	PO12	PSO1	PSO2
03	Othize the technical writing for the purposes of Technical Communication and the						_				3		1		2
04	minute inputs by presentation skills to enhance confidence in face of diverse and to a confidenc					2					3	Auges man	1		2
	Have a vast know-how of the application of the learning to promote their technical competence										3		1		2
05	Evaluate their efficacy as fluent & efficient communicators by learning the voice-dynamics					2					3	-	1		2
	Target Outcome (Average) PO					2				1	3		1		2
											3		1		
	VVC203 - Heisser H. W. W. W.														
01	KVE301 : Universal Human Values and Professional Ethics Understand value inputs, need, basic guidelines, content and process of value education in current scenario of the society	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
							2	1	3				1		
03	Understand the value of harmony in human-human relationships and explana their relationships.			22.00	Anna Maria		2	1	3				1		
							2	1	3				1		
05	Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment during work						2	1	3	Diff. No.			1	and the same	- interes
							2	1	3				1		
	Target Outcome (Average) PO				and the same of		2	1	3				1		- Almarka
_															
.	KCE301 : Engineering Mechanics	PO1	PO2	PO3											
01	se scalar and vector analytical techniques for analyzing forces in statically determined	3			PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
- 1	opply fundamental concepts of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of particles to the concept of kinematics and kinetics of kinematics and kinematics		3	2	2									3	1
		2	3	3	3									3	1
· •	moerstand basic dynamics concents – force, momentum week and a	3	3	3	3									3	1
3 1	Inderstand and be able to apply Newton's laws of motion	3	3	3	2					-				3	1
-	Target Outcome (Average) PO	2.6	3	2.8	2.4			-						3	1
		2.0	-	2.0	2.4									3	1
T															
	KCE302 : Surveying & Geomatics	PO1	POZ	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ID	escribe the function of surveying and work with survey instruments, take observations, and prepare plan, profile, and cross-section and perform calculations.	,	-					1111111111			. 525				
10	acculate, design and layout horizontal and vertical curves	3	3	2	2									3	1
0	perate a total station and GPS to measure distance, angles, and to calculate differences in elevation. Reduce data for application in a geographic information	2	3	3	3					Salar Salar					1
5	distance, angles, and to calculate differences in elevation. Reduce data for application in a geographic information							-				-	_	ALC: NO PERSONS NAMED IN	The same of the sa

2 3 3 3 Target Outcome (Average) PO 2.6 2.8 2.6 2.6

STORY OF STREET

COS Relate and apply principles of photogrammetry for surveying
COS Apply principles of Remote Sensing and Digital Image Processing for Civil Engineering problems

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	KCE303 : Fluid Mechanics		1		1										
COI	Understand the broad principles of fluid statics, kinematics and dynamics	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
COZ	Understand definitions of the basic terms used in fluid mechanics	3	3	2	2									3	1
CO3	Understand classifications of fluid flow	3	3	2	2									2	1
CO4	Apply the continuity, momentum and energy principle	3	3	2	2									3	1
COS	Apply dimensional analysis	2	2	3	3									2	1
		2	2	3	3		Acres de la constitución de la c					1		3	1
	Target Outcome (Average) PO	2.6	2.6	2.4	2.4									2.6	1
	KCE351 : Building Planning and Drawing Lab	PO1	PO2	PO3	P04	POS	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
.01	Apply the principles of planning and bye-laws (National building code) used for building planning		3	3	3	2				2				2	1
.OZ	Draft the plan, elevation and sectional views of the buildings using AutoCAD		3	3	3	3				2		7		3	1
-	Target Outcome (Average) PO	9	3	3	3	2.5				2	TANKE N			2.5	1
										10 70 11	Table .	9.3			
1	KCE352 : Surveying and Geomatics Lab	201	1 000	000	1 200	1 000	000								
01	Demonstrate and handle various conventional surveying instruments such as chain/tape, compass, theodolite, auto-level in the field of civil engineering	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
01	applications such as highyway profiling, setting out curves etc	<u> </u>	3	3	3	2				2			4 6 6	3	1
02	Measure distances, horizontal & vertical angles and coordinates using electronic total station		- 6		-										
03	Apply the principles of photogrammetric surveying and take observations using mirror stereoscope and parallax has		3	3	3	3				2		1-1-		3	1
04	Measure coordinates using GPS and understand digitization using GIS and visual interpretation of standard FCC		3	3	3	3				2				3	1
		551.00	3	3	3	3				2			1	3	1
	Target Outcome (Average) PO		3	3	3	2.75				2		THE STATE OF	100	3	1
_															
-	KCE353 : Fluid Mechanics Lab	PO1	PO2	PO3	P04	POS	P06	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
01	Evaluate Bernaulli's Theorem & Momentum equation in pipe flow		3	3	3	2	. 50			2	. 510			3	1
)2	Apply continuity equation and flow visualisation in pipe flow		3	3	3	2				2				2	1
03	Verify the concept of buoyancy and hence metacentre point		3	3	3	2				2		_		3	1
04	Illustrate the concept of wind tunnel		3	3	3	1				2			-	3	1
	Target Outcome (Average) PO		3	3	3	1.75				2			180 121	2.75	1
12	KCE354: Mini Project or Internship Assessment Understand a system, component or process to meet desired progress of project Propriet Progret Research (St. 18 St. 1	PO1	PO2	PO3	PO4 3	PO5	PO6	PO7	PO8	PO9 2	PO10	PO11	PO12	PSO1	PSO2 2
	Prepare Project Report for a project in Civil Engineering domain		3	3	3	2				2		3	1	3	2
_	Target Outcome (Average) PO		3	3	3	2				2		3	1	3	2
	KNC301 : Computer System Security	PO1	PO2	PO3	PO4	POS	PO6	P07	PO8	PO9	PO10	PO11	0012	PSO1	PSO2
01	Discover software bugs that pose cyber security threats and to explain how to fix the bugs to mitigate such threats	FUI	3	3	2	2	PU6	P07	1	PU9	P010	POII	PO12	PS01	2
32	Discover cyber-attack scenarios to web browsers and web servers and to explain how to mitigate such threats		3	3	2	2			1				1		2
13	Discover and explain mobile software bugs posing cyber security threats, explain and recreate explains and to explain misligation techniques	1000	3	3	2	2	-		1	-			1		2
J-4	Articulate the urgent need for cyber security in critical computer systems, networks, and world wide web, and to explain various threat security		3	3	2	2			1	-		10000	1		2
25	Articulate the well-known cyber-attack incidents, explain the attack scenarios, and explain mitigation techniques		3	3	1	2			1			-	1		2
	Target Outcome (Average) PO		3	3	1.8	2			1				1	100	2
			•		•							Name			
	VNC203 - Duban December 1														
)1	Read and write simple Python programs KNC302 : Python Programming	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
)2	Develop Python programs with conditionals and loops		3	3	3	3					4				2
)3	Define Python functions and to use Python data structures – lists, tuples, dictionaries		3	3	3	3				1-1-1-1-1		1	1.11		. 2
04	Do input/output with files in Python		3	3	3	3				-					2
	Do searching, sorting and merging in Python		3	3	3	3						No. of the last of			2
			3	3	3	3									2
	Target Outcome (Average) PO		3	3	3	3						- 100			2
	KAS403 : Mathematics-III	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Remember the concept of Laplace transform and apply in solving real life problems	3	1	3	1	105	100	F-07	100	F-03	POIO	7011	FUIZ	PSOI	2
1			1	3	1		-				-				2
Z	Inderstand the concept of Fourier and Z — transform to evaluate engineering problems	3													~
3	Inderstand the concept of Fourier and Z — transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems	3		3	1		1								2
3 4	Inderstand the concept of Fourier and Z – transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems Apply the concept of Set, Relation, function and Counting Techniques	3	1	3	1										2
3 4	Inderstand the concept of Fourier and Z – transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems Apply the concept of Set, Relation, function and Counting Techniques		1	3 3 3	1										2
13	Inderstand the concept of Fourier and Z – transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems Apply the concept of Set, Relation, function and Counting Techniques Apply the concept of Lattices and Boolean Algebra to create Logic Gates and Circuits, Truth Table, Boolean Functions, Karnaugh Maps	3	1 1 1	3	1										
13	Inderstand the concept of Fourier and Z – transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems Apply the concept of Set, Relation, function and Counting Techniques	3 3 3	1	3	1										2 2
13	Inderstand the concept of Fourier and Z - transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems Apply the concept of Set, Relation, function and Counting Techniques Apply the concept of Lattices and Boolean Algebra to create Logic Gates and Circuits, Truth Table, Boolean Functions, Karnaugh Maps Target Outcome (Average) PO	3 3 3	1 1 1	3	1										2 2 2
3 4 5	Inderstand the concept of Fourier and Z – transform to evaluate engineering problems Remember the concept of Formal Logic, Group and Rings to evaluate real life problems Apply the concept of Set, Relation, function and Counting Techniques Apply the concept of Lattices and Boolean Algebra to create Logic Gates and Circuits, Truth Table, Boolean Functions, Karnaugh Maps	3 3 3	1 1 1	3	1	PO5	PO6	P07	PO8	P09	PO10	PO11	P012	PSO1	2 2 2



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L		KVE401 : Universal Human Values	PO1	PO2	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10	PO11	P012	PSO1	P	SO2
1	CO1	Understand the significance of value inputs in a classroom, distinguish between values and skills, understand the need, basic guidelines, content and process of					1.05	100	107	100	105	1010	1011	3	-	44	NO.
		value education, explore the meaning of happiness and prosperity and do a correct appraisal of the current scenario in the society						2	1	3		1 3	FL	1	-	500	4
	CO2	Distinguish between the Self and the Body, understand the meaning of Harmony in the Self the Co-existence of Self and Body			7000000		-	2	1	2			12	7 -	-	6	-
	соз	Understand the value of harmonious relationship based on trust, respect and other naturally acceptable feelings in human-human relationships and explore their			-			- 4	1	3		-	100		1	35	-
1		role in ensuring a narmonious society				S SIN		2	1	3			121	.2	POTOT	2 10	5
Z	CO4	Understand the harmony in nature and existence, and work out their mutually fulfilling participation in the nature	-				-	-		-	_		161	1,111	CECTO	-	- 1
1	COS	Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work				4-2-		2	1	3			4	2	-	5 3	- 1
_		Freetees, and start Working out the strategy to actualize a narmonious environment wherever they work						2	1	3			27	2		15	1
													A U L		9	9	2

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_	Target Outcome (Average) PO				_	1	2	1	3	-					
	Tanger Outcome (Average) PO		-				2	1	3				2		
						384, 25,									
01	KAS401 : Technical Communication	PO1	PO2	PO3	PO4	PO5	P06	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO
	Understand the nature and objective of Technical Communication relevant for the work place as Engineers	in de		nur Lorenzo	and the	2	L. Con				3		1		1
02	Utilize the technical writing for the purposes of Technical Communication and its exposure in various dimensions					2					3		1		1
03	Imbibe inputs by presentation skills to enhance confidence in face of diverse audience					2					3		1		1
05	Have a vast know-how of the application of the learning to promote their technical competence			المعادية	1400	2					3		1		1
05	To evaluate their efficacy as fluent & efficient communicators by learning the voice-dynamics			2 37.37	The state of	. 2					3		1		1
_	Target Outcome (Average) PO					2				(managed)	3	the second	1		1
_															
01	KCE401 : Material Testing & Construction Practices Identify various building materials and to understand their basic properties.	PO1 2	PO2	PO3	PO4 3	PO5	P06	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSC
OZ	Understand the use of non-conventional civil engineering materials.	3	3	3		-						2	-	3	2
:03	Study suitable type of flooring and roofing in the construction process	2	3	3	3	2	-	-		-		2		3	2
:04	Characterize the concept of plastering, pointing and various other building services.	3				-	40.000				_	2	_	3	2
05	Exemplify the various fire protection, sound and thermal insulation techniques, maintenance and repair of buildings.		3	3	3	2						2		3	2
		2	3	3	3	-						2		3	2
	Target Outcome (Average) PO	2.4	3	3	3	2		P. Co	exeller.	1000		2		3	2
	VCEAD3 : Introduction To Calid Manhanian														
01	KCE402 : Introduction To Solid Mechanics Describe the concepts and principles of stresses and strains	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSC
02	Analyze solid mechanics problems using classical methods and energy methods	3	3	2	2	-	-			1				2	1
03	Analyze structural members subjected to combined stresses	2	3	3	3	-								1	1
04	Calculate the deflections at any point on a beam subjected to a combination of loads	2	3	3	3	-								1	2
:05	Understand the behavior of columns, springs and cylinders against loads.	2	3	3	3	-								1	2
		2.4	3	3	3		-							3	2
	Target Outcome (Average) PO	2.4	3	2.8	2.8					Leany coal-				1.6	1.0
	KCE403: Hydraulics Engineering & Machines														
01	Solve problems related to free surface flow in an open channel	PO1	PO2	PO3	PO4	PO5	PO6	P07	P08	PO9	PO10	PO11	PO12	PSO1	PSC
02	Apply energy depth relationships for gradually varied flow in steady state conditions	3	3	3	3									3	2
03	Apply the concept of Rapidly Varied Flow in Open Channel Flow in steady state conditions	3	3	3	3									3	2
04	Explain the working principle, operation, and performance of pumps	3	-3	3	3									3	2
05	Summarize the working principle of hydraulic turbines and their characteristics	3	3	3	3									3	2
. 45 6	sommarize the working principle of nyuraune turbines and their characteristics				3										
		3	3	3	-	-								3	2
	Target Outcome (Average) PO	3	3	3	3				Anni					3	2
			_		-				A.						
501	KCE451: Material Testing Lab		_		-	PO5	PO6	P07	P08	PO9	PO10	P011	PO12		2
01	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose	3	3	3	3	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO.
.UZ	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength	3	3 PO2 3	3 PO3 3	3 PO4 3	POS	PO6	P07	PO8	P09	PO10	P011	PO12	PSO1 2	PSO 2
LUZ	KCE451: Material Testing Lab	3	PO2	PO3 3 3	PO4 3 3	PO5	PO6	P07	PO8	P09	PO10	P011	PO12	PSO1 2 2	PSO 2 2
LUZ	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength	3	PO2 3 3	3 PO3 3	3 PO4 3	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1 2	PSO 2 2
.UZ	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task	3	PO2 3 3 3 3	PO3 3 3 3	PO4 3 3 3	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1 2 2 2 2 2	PSO 2 2 2 2
:03	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab	3	PO2 3 3 3 3	PO3 3 3 3	PO4 3 3 3	POS	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1 2 2 2 2 2	PSO 2 2 2 2 2 2
03	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab	3 PO1	3 PO2 3 3 3 3	PO3 3 3 3 3	PO4 3 3 3 3									PSO1 2 2 2 2 2 2 2	PSO 2 2 2 2 2 2
01	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab Verify the deflection in different structural members by using apparatus Determine the engineering properties of solid Materials	3 PO1	PO2 3 3 3 3	PO3 3 3 3 3 PO3	PO4 3 3 3 3									PSO1 2 2 2 2 2 2 2 PSO1	PSO 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
03	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab	3 PO1	PO2 3 3 3 3 PO2 3	PO3 3 3 3 7 PO3 3	PO4 3 3 3 3 3									PSO1 2 2 2 2 2 2 PSO1 2	PSO: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
O1 O2	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab Verify the deflection in different structural members by using apparatus Determine the engineering properties of solid Materials	PO1	PO2 3 3 3 3 3 3 3	PO3 3 3 3 3 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PO4 3 3 3 3 7									PSO1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PSO 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
01	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab Verify the deflection in different structural members by using apparatus Determine the engineering properties of solid Materials Explain the behaviour of beams and columns under different end conditions Target Outcome (Average) PO	PO1	PO2 3 3 3 3 3 3 3 3 3	PO3 3 3 3 3 7 9 9 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3									PSO1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PSO 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
O1 O2 O3	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab Verify the deflection in different structural members by using apparatus Determine the engineering properties of solid Materials Explain the behaviour of beams and columns under different end conditions Target Outcome (Average) PO KCE453: Hydraulics & Hydraulic Machine Lab	PO1	PO2 3 3 3 3 3 3 3 3 3	PO3 3 3 3 3 7 9 9 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3							P011	PO12	PSO1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PSO 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
01 02 03	KCE451: Material Testing Lab Determine the quality of bricks, cement, fine aggregate and coarse aggregate and its suitability for construction purpose Design the mix, make the specimens and test the same for the strength for comparison with design strength Develop ability to function as a member of a team to complete the assigned task Target Outcome (Average) PO KCE452: Solid Mechanics Lab Verify the deflection in different structural members by using apparatus Determine the engineering properties of solid Materials Explain the behaviour of beams and columns under different end conditions Target Outcome (Average) PO KCE453: Hydraulics & Hydraulic Machine Lab Investigate flow characteristics and various parameters for open channel	PO1	PO2 3 3 3 3 3 3 PO2 PO2 PO2 PO2	PO3 3 3 3 3 3 3 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 PO4 3 3 3 PO4 PO4 PO4	POS	PO6	PO7	PO8	PO9	PO10			PSO1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PSO: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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Page	-	Articulate the well-known cyber-attack incidents, explain the attack scenarios, and explain mitigation techniques					3			1				1		2
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Secretary and		Classify the soil and determine its Index properties			-	-	POS	PO6	P07	PO8	PO9	PO10	PO11	PO12		PSO2
Description of the statical and what engages agreement suggestions from programme and independent on programme and independent the programme and independe		Evaluate permeability and seepage properties of soil					-			-		-				-
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3 3 1 1 1 1 1 1 1 1		explain type of structures and method for their analysis				_	PUS	PU6	P07	PO8	PO9	PO10	PO11	PO12		
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Target Outnome Anton we foreign and article methods agreed general property (Classical Agreement) Target Outnome Anton Property (Classical Agreement) Target Outnome (Average) (70) Total Property (70)		Apply the concept of influence lines and moving loads to compute heading moment and shoes force at 41%													3	2
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Another and assists the quantity of materials required for coint engenering works as per specifications. 1		onderstand the contracts and tender documents in construction projects														-
Section of the control of exponential for deponential properties of exponential properties of exponential properties of exponential for other exponential for exponential fo		Analyze and assess the quantity of materials required for civil engineering works as not specifications								-				1	2	2
Position	4	Evaluate and estimate the cost of expenditure and prepare a detailed rate analysis are at	-										3		3	2
Target Outcome (Average) PO 3 3 3 3 4 6 6 5 5 6 7 7 7 7 7 7 7 7 7	5	Analyze and choose cost effective approach for civil engineering projects	-										3		2	2
KG91: Department Elective-I (Concrete Technology)													3		3	2
Applications for properties of construction including without of construction in properties of		Target Outcome (Average) PO	3	3	3	3						1	3	1702	2.6	2
Apply software tools for analysis and design of concetes																11
2. Again an important of constituted material of concrete		KCE051: Department Elective-I (Concrete Technology)														
2. Apply symmitures to enhance the properties of concrete	1	Onderstand the properties of constituent material of concrete				PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Separate content of the strength and disability parameters of concrete 3 3 3 3 3 3 3 3 3	2	Apply admixtures to enhance the properties of concrete										C/Servanii				
Design the concrete mix for avainus strengths using difference methods	3	Evaluate the strength and durability parameters of concrete			3	3								-	3	
Section Page	1	Design the concrete mix for various strengths using difference methods	3	3	3	3										
Target Outcome (Average) PO 3																
Interchance	5	Use advanced concrete types in construction industry		3	3	3										
RCEOS: Department Electric-II (Engineering Hydrology))5	use advanced concrete types in construction industry	3												3	2
Confectant in the abstr centery of hydrological cycle and its various phases 3 3 3 3 3 3 3 3 3	05	use advanced concrete types in construction industry	3	3	3	3									3	2
Confectant in the abstr centery of hydrological cycle and its various phases 3 3 3 3 3 3 3 3 3	15	use advanced concrete types in construction industry	3	3	3	3									3	2
Apply the knowledge to construct the hydrograph 3 2 3 3 3 0 0 0 0 3 3 2	5	Target Outcome (Average) PO KCEOSS : Department Elective II (Engineering Models e.)	3	3	3	3									3	2
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Assess the quality of various forms of water and their aquifer properties 3 3 3 3 3 3 3 3 3	5	Target Outcome (Average) PO KCE055: Department Elective-II (Engineering Hydrology) Juderstand the basic concept of hydrological cycle and its various phases	3 3	3 3 PO2	3 3 PO3	3 3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	3 3 3	2 2 2 PSO2
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KCE554: Mini Project or Internship Assessment

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Understand the human tradition and its various components Find the human tradition a	we clarity about human aspirations, goal, activities and purpose of life	PO1	PO2	PO3	PO4	PO5			_	PO9	PO10	PO11			PSO2
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DIRECTOR	termine properties of aggregates and assess its suitability in construction for transportation infeatbackure			_		PO5	PO6	PO7	PO8	PO9	PO10	PO11			PSO2
	Commence of the commence of th			3	3								51	DIREC	IOR
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	Determine properties of bitumen and check its suitability for pavement construction	2	3	3	3							0,5		3	2
03	Investigate traffic and speed study	2	3	3	3									3	2
04	Determine CBR Value of soil	2	3	3	3									3	2
-	Target Outcome (Average) PO	2	3	3	3									3	2
21	KCE652 : Environmental Engineering Lab	PO1	PO2	PO3	PO4	PO5	P06	PO7	P08	P09	PO10	PO11	PO12	PSO1	PSO2
	Measure and compare the physical, chemical and biological properties of water & wastewater Measure the level of air pollution (Particulate Matter) and noise pollution	3	3	3	3			3		2			1	3	2
JZ	Interest of the level of air pollution (Particulate Matter) and noise pollution Target Outcome (Average) PO	3	3	3	3	ZER		3		2			1	3	2
		308				T. No.	83.48			-3					
_	KCE653 : Structural Detailing Lab	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Study of standards for detailing of structural elements	2	3	3	3		SET			2				3	2
	Apply software tools for structural drafting and detailing of building components.	3	3	3	3					2				3	2
	Create bar bending schedule for structural components of a building	2	3	3	3		3399		1	2				3	2
04	Understand full set of structural drawing of a building	3	3	3	3	750	PER THE			2				3	2
	Target Outcome (Average) PO	2.5	3	3	3				January 1	2		-15-48	2.504	3	2
77.97	KNC601 : Constitution of India, Law and Engineering	001	1 003	003	1 004	nor I	nor	007	000	000	2010	0011	2012	nros I	2003
01	Identify and explore the basic features and modalities about Indian constitution	PO1	PO2	PO3	PO4	PO5	PO6 2	PO7	PO8 2	P09	PO10	PO11	PO12	PSO1	PSO2
	Differentiate and relate the functioning of Indian parliamentary system at the center and state level		-			75.75	2	1	2				2		
_	Differentiate different aspects of Indian Legal System and its related bodies						2	1	2	00.00			2 .		
	Discover and apply different laws and regulations related to engineering practices						2	1	2				2		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	Correlate role of engineers with different organizations and governance models						2	1	2				2		
	Target Outcome (Average) PO	12.7			3 14.10		2	1	2	-			2		V1-1
	inger ortenie presigent														
	KNC602 : Indian Traditions, Cultural and Society	PO1	PO2	PO3	P04	PO5	PO6	P07	PO8	P09	PO10	PO11	PO12	PSO1	PSO2
01	Understand, connect up and explain basics of Indian Traditional knowledge modern scientific perspective						3	1	2				2		
02	Have basic principles of thought process, reasoning and inference to identify the roots and details of contemporary issues faced by our nation and will try to locate possible solutions to these challenges						3	1	2	Jr. 10			2		
03	Understand the importance of our surroundings and encouragement to contribute towards sustainable development						3	1	2				2		
04	Aware of holistic life styles of Yogic-science and wisdom capsules in Sanskrit literature that are important in modern society with rapid technological advancements and societal disruptions	7722					3	1	2				2		
05	Know Indian Knowledge System, Indian perspective of modern scientific world-view and basic principles of Yoga and holistic health care system	1111	-				3	1	2				2	Man	
_	ege system, mean perspective or modern sectionic world view and basic principles or roga and nonsult health care system						3	1	2	Panistra 4					200000000
	Target Outcome (Average) PO			1000									2		
	Target Outcome (Average) PO												2		
	KHU701 : Rural Development: Administration and Planning	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PO12	PSO1	PSO2
01	KHU701: Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development	PO1	POZ	PO3	PO4	PO5	2	P07	PO8	1	PO10	PO11	PO12	PSO1	PSO2
02	KHU701: Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy	PO1	PO2	PO3	PO4	PO5	2	PO7	1	1	PO10	P011	PO12 1 1	PSO1	PSO2
02	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact	PO1	PO2	PO3	PO4	PO5	2 2 2	PO7	1 1 1	1 1 1	PO10	PO11	PO12 1 1	PSO1	PSO2
02 03 04	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship	PO1	PO2	PO3	PO4	PO5	2 2 2 2	PO7	1 1 1	1 1 1	PO10	PO11	PO12 1 1 1 1	PSO1	PSO2
O2 O3 O4	KHU701: Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning	PO1	PO2	PO3	PO4	PO5	2 2 2 2 2	PO7	1 1 1 1	1 1 1 1	PO10	P011	PO12 1 1 1 1 1	PSO1	PSO2
02 03 04	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship	PO1	PO2	PO3	PO4	PO5	2 2 2 2	PO7	1 1 1	1 1 1	PO10	PO11	PO12 1 1 1 1	PSO1	PSO2
02 03 04	KHU701: Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO						2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1			PO12 1 1 1 1 1 1		
02 03 04 05	KHU701: Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning	PO1	PO2	PO3	PO4	POS	2 2 2 2 2	PO7	1 1 1 1	1 1 1 1 1 1 1	PO10	PO11	PO12 1 1 1 1 1 1 1 PO12	PSO1	PSO2
02 03 04 05	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship		PO2 3	PO3 3	PO4 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 PO9 2		PO11 3	PO12 1 1 1 1 1 1 1 1 1 1	PSO1 3	PSO2 2
02 03 04 05	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome [Average] PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship		PO2 3 3	PO3 3 3	PO4 3 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 PO9 2		PO11 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3	PSO2 2 2 2
01 01 02 03 04 05 05	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management		PO2 3 3 3 3	PO3 3 3 3 3	PO4 3 3 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 PO9 2 2		PO11 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3	PSO2 2 2 2 2
01 02 03 04 05 01 02 03 04	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome [Average] PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing		PO2 3 3 3 3 3 3	PO3 3 3 3 3	PO4 3 3 3 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 1 1 2 2 2 2		P011 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2
D2 D3 D3 D4 D5 D1 D2 D3 D4 D4 D5 D3 D4 D5 D3 D4 D5 D3 D4 D5 D4 D5	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management		PO2 3 3 3 3	PO3 3 3 3 3	PO4 3 3 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 PO9 2 2		PO11 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3	PSO2 2 2 2 2
01 02 03 04 05 05	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship		PO2 3 3 3 3	PO3 3 3 3 3 3	PO4 3 3 3 3 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2		P011 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2
02 03 04 05 05 01 02 02 03 04 05	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship KEE070 : Railway, Waterway and Airway Engineering	P01	PO2 3 3 3 3 3 3	PO3 3 3 3 3 3 7	PO4 3 3 3 3 3 3		2 2 2 2 2 2 2		1 1 1 1 1	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2		P011 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PS01 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 PSO2
D2 D3 D4 D5 D2 D3 D4 D5	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KCE070 : Railway, Waterway and Airway Engineering Explain the importance of railway infrastructure	PO1 PO1 3	PO2 3 3 3 3 3 3 3	PO3 3 3 3 3 3 3 7 PO3 3	PO4 3 3 3 3 3 3 3 3	POS	2 2 2 2 2 2 2 2	PO7	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 PO9 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
02 03 04 05 05 01 002 03 04 005	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship KEE070 : Railway, Waterway and Airway Engineering Explain the importance of railway infrastructure Identify the factors governing design of railway infrastructures	PO1 3 3 3	POZ 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PO3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 3 3 3 3	POS	2 2 2 2 2 2 2 2	PO7	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 PO9 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
02 03 04 05 05 01 02 03 04 05 04 05	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Management Know the idea and insights of Social Entrepreneurship KECO70 : Railway, Waterway and Airway Engineering Explain the importance of railway infrastructures Identify the factors governing design of railway infrastructures Analysis and design the railway track system	PO1 3 3 3 3 3	PO2 3 3 3 3 3 3 3 3 3 3 3 3	PO3 3 3 3 3 3 3 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 3 9 PO4 3 3 3	POS	2 2 2 2 2 2 2 2	PO7	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 PO9 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
D1 D	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Management Know the idea and insights of Social Entrepreneurship KCE070 : Railway, Waterway and Airway Engineering Explain the importance of railway infrastructure Identify the factors governing design of railway infrastructures Analysis and design the railway track system Understand the concepts of airport engineering and design components of airport	PO1 3 3 3 3 3	PO2 3 3 3 3 3 3 3 3 3 3 3 3 3	PO3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POS	2 2 2 2 2 2 2 2	PO7	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 PO9 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
02 03 04 05 01 02 03 04 05 01 02 02 03 04	KHU701 : Rural Development: Administration and Planning Understand the definitions, concepts and components of Rural Development Know the importance, structure, significance, resources of Indian rural economy Have a clear idea about the area development programmes and its impact Acquire knowledge about rural entrepreneurship Understand about the using of different methods for human resource planning Target Outcome (Average) PO KHU702 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Management Know the idea and insights of Social Entrepreneurship KECO70 : Railway, Waterway and Airway Engineering Explain the importance of railway infrastructures Identify the factors governing design of railway infrastructures Analysis and design the railway track system	PO1 3 3 3 3 3	PO2 3 3 3 3 3 3 3 3 3 3 3 3	PO3 3 3 3 3 3 3 3 3 3 3 3 3 3	PO4 3 3 3 3 3 3 3 9 PO4 3 3 3	POS	2 2 2 2 2 2 2 2	PO7	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 PO9 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



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	Target Outcome (Average) PO	2.2	3	3	3				10.00					3	2
	target outcome (weetage) r o	2.2	3	-	-										Telephone .
		PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	KOE074 : Open Elective-II (Renewable Energy Resources)	FUI	FUZ	F 03	104	103	2	2	100	105	1010			3	2
CO1	Understand various non-conventional energy resources	-			-	-	2	2	-					3	2
CO2	Understand solar thermal energy, its' storage for solar heating and cooling			-					-	-				3	2
CO3	Understand Geothermal Energy, its resources & use						2	2	-						2
CO4	Details of Thermo-electrical and thermionic Conversions, wind energy	2					2	2						3	
CO5	Understand Bio-mass, its availability and conversion, ocean thermal energy conversion		A Party	- 1000	1,000,000		2	2						3	2
	Target Outcome (Average) PO						2	2	1					3	2
										2000-0-0-0					A Carlotte
	KCE751 : Concrete Lab	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
COL	Understand the standard codes for concrete constituents	2	3	3	3				1	2		100		3	2
		2	3	3	3		-			2			-	3	2
	Evaluate the properties of constituent material of concrete	2	3	3	3		- C C T I I I I		C 1 1 1 1	2		13-1-14		3	2
	Assess the quality parameters of fresh & hardened concrete	2	3	3	3					2				3	2
	Design the concrete mix for desired strength					_	-		27.2	2				3	2
COS	Evaluate strength of concrete using Non-Destructive methods	2	3	3	3		- 11	1107-1000			-			3	2
The same of	Target Outcome (Average) PO	2	3	3	3		2	24 W	10 Car.	2				3	2
216												2011	2000	near	pros
2	KCE752 : Mini Project or Internship Assessment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	Understand work related to preparation of bill of quantity & tender documents	- Marine	3	3	3					2		3	1	3	2
	Understand work related to design & drawing of flat slab using IS code method	-	3	3	3					2		3	1	3	2
	Understand the work related to cost estimation of (including market survey of rates by students) building/earthwork for highway	-	3	3	3	-	1			2	miles day	3	1	3	2
	Understand the work related to scheduling of activities of a project using software		3	3	3	7-17-17-1			30-00-00	2		3	1	3	2
		-	3	3	3					2		3	1	3	2
COS	Understand the work related to preparation of layout plan of a building and its marking on ground			3	3			-		2	1 1 1 1	3	1	3	2
	Target Outcome (Average) PO		3	3	3								-		_
						205	noc	P07	P08	PO9	PO10	PO11	PO12	PSO1	PSO2
	KCE753: Project	PO1	PO2		PO4	PO5	P06	PU/	PU8		POIO	3	1	3	2
CO1	Work effectively as an individual and member of the team to solve complex civil engineering problems		3	3	3					2	-		_		2
CO2	Apply engineering knowledge to solve real life problems and involve in self-learning process		3	3	3			of Theorem		2		3	1	3	
	Apply modern tools for analysis and design of complex engineering problems		3	3	3			1000	17.77	2		3	1	3	2
	Develop ethical solutions of engineering problems taking into account its impact on society, environment and sustainability		3	3	3			Series L		2		3	1	3	2
	Compose and present detailed project report of his/ her work and defend effectively		3	3	3			100		2		3	1	3	2
	Target Outcome (Average) PO		3	3	3		13.00			2		3	1	3	2
		-	-		-						•				
	KHU801 : Rural Development: Administration and Planning	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
601							2	1		1		1	1	3	2
	Understand the definitions, concepts and components of Rural Development		-			photo and the	2	1		1		1	1	3	2
CO2			+	-	-		2	1		1	1000	1	- 1	3	2
CO3		-			-		2			1		1	1	3	2
	Acquire knowledge about rural entrepreneurship				-			1	-			1		3	
COS	Understand about the using of different methods for human resource planning														
		1/			-		2	1		1		1	1		2
	Target Outcome (Average) PO			1			2	1		1		1	1	3	2
	Target Outcome (Average) PC			_ ^ _											
							2	1		1		1	1	3	2
	Target Outcome (Average) PO KHU802 : Project Management & Entrepreneurship	PO1	PO2	PO3	PO4	PO5			PO8	1 PO9	PO10	1 PO11	PO12	PSO1	2 P502
CO1			3	3	3	PO5	2	1	PO8	1 PO9 2	PO10	PO11	PO12	PSO1 3	PSO2 2
	KHU802 : Project Management & Entrepreneurship		3	3	3	PO5	2	1	PO8	1 PO9 2 2	PO10	PO11 3	PO12	PSO1 3 3	2 PSO2 2 2
CO2	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation		3	3	3	PO5	2	1	PO8	1 PO9 2 2 2	PO10	PO11 3 3 3	PO12 1 1 1	PSO1 3 3 3 3	PSO2 2 2 2 2
CO2	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management		3	3	3	POS	2	1	PO8	1 PO9 2 2	PO10	PO11 3 3 3 3	PO12 1 1 1 1	PSO1 3 3 3 3 3	PSO2 2 2 2 2 2
CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing		3 3 3 3	3 3 3	3 3 3	POS	2	1	PO8	1 PO9 2 2 2	PO10	PO11 3 3 3	PO12 1 1 1	PSO1 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the insights of Social Entrepreneurship	PO1	3 3 3 3	3 3 3 3	3 3 3	POS	2	1	P08	1 PO9 2 2 2 2	PO10	PO11 3 3 3 3	PO12 1 1 1 1	PSO1 3 3 3 3 3	PSO2 2 2 2 2 2
CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing	PO1	3 3 3 3	3 3 3 3	3 3 3 3	POS	2	1	PO8	1 PO9 2 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3	PO12 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the insights of Social Entrepreneurship	PO1	3 3 3 3	3 3 3 3	3 3 3 3	POS	2	1	PO8	1 PO9 2 2 2 2 2 2 2 2	P010	PO11 3 3 3 3 3	PO12 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO	PO1	3 3 3 3 3 3	3 3 3 3 3 3	3 3 3 3 3	POS	2	1	PO8	1 PO9 2 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3	PO12 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3	2 PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management)	PO1	3 3 3 3 3 3	3 3 3 3 3 3	3 3 3 3 3 3		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneural idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation	PO1 PO1 2	3 3 3 3 3 3	3 3 3 3 3 3 3	3 3 3 3 3 3		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 PSO1	2 PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management	PO1 2 2 2	3 3 3 3 3 3 3 9 PO2 3	3 3 3 3 3 3 3 2 2	3 3 3 3 3 3 PO4 2		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 PO12	3 PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneural idea and innovation Know the insights of Project Management Know the insights of Project Management Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of Quality management Know the details of Control Charts	PO1 2 2 2 2	3 3 3 3 3 3 3 9 PO2 3 3 3	3 3 3 3 3 3 3 PO3 2 2	3 3 3 3 3 3 3 PO4 2 2		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneural idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the Defects Diagnosis and Prevention	PO1 2 2 2 2 2 2	3 3 3 3 3 3 3 9 PO2 3 3 3 3	3 3 3 3 3 3 3 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the details of Control Charts Know the detailed standards to maintain quality	PO1 PO1 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO1 CO2 CO3	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneural idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the Defects Diagnosis and Prevention	PO1 PO1 2 2 2 2 2 2	3 3 3 3 3 3 3 9 PO2 3 3 3 3	3 3 3 3 3 3 3 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO1 CO2 CO3	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the details of Control Charts Know the detailed standards to maintain quality	PO1 PO1 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2		PO6	PO7		PO9 2 2 2 2 2 2 2		PO11 3 3 3 3 3 3	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO1 CO2 CO3	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the Defects Diagnosis and Prevention Know the detailed standards to maintain quality Target Outcome (Average) PO	PO1 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2 2	POS	PO6	PO7	PO8	PO9 2 2 2 2 2 2 2 PO9	PO10	PO11 3 3 3 3 3 3 7 PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the enterpreneural idea and innovation Know the instights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Guality Concept (Charts Know the Defects Diagnosis and Prevention Know the detailed standards to maintain quality Target Outcome (Average) PO KOE094 : Open Elective –IV (Digital & Social Media Marketing)	PO1 PO1 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2		PO6	PO7		PO9 2 2 2 2 2 2 2	PO10	PO11 3 3 3 3 3 3 7 PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the Defects Diagnosis and Prevention Know the detailed standards to maintain quality Target Outcome (Average) PO	PO1 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2 2	POS	PO6	PO7	PO8	PO9 2 2 2 2 2 2 2 PO9	PO10 PO10 3	PO11 3 3 3 3 3 3 PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 PSO1 PSO1 PSO1 PSO1 PSO1	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the enterpreneural idea and innovation Know the instights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Guality Concept (Charts Know the Defects Diagnosis and Prevention Know the detailed standards to maintain quality Target Outcome (Average) PO KOE094 : Open Elective –IV (Digital & Social Media Marketing)	PO1 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2 2	POS	PO6	PO7	PO8	PO9 2 2 2 2 2 2 2 PO9	PO10 PO10 3 3	PO11 3 3 3 3 3 3 PO11 PO11 1 1	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 PSO1 PSO1 PSO1 PSO1 PSO1	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the entrepreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the details of Control Charts Know the details of Control Charts Know the details of Control Charts Know the detailed standards to maintain quality Target Outcome (Average) PO KOE094 : Open Elective -IV (Digital & Social Media Marketing) Understand shifting from traditional marketing practices to digital marketing practices Understand social media marketing and tools	PO1 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2 2	POS	PO6	PO7	PO8	PO9 2 2 2 2 2 2 2 PO9	PO10 3 3 3 3	PO11 3 3 3 3 3 3 PO11 PO11 1 1 1 1	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the enterpreneurial idea and innovation Know the instights of Project Management Know the insights of Project Management Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Guality Concept. Quality control evaluation Know the Defects Diagnosis and Prevention Know the detailed standards to maintain quality Target Outcome (Average) PO KOE094 : Open Elective -IV (Digital & Social Media Marketing) Understand shifting from traditional marketing practices to digital marketing practices Understand social media marketing and tools Understand the concept of online campaign management	PO1 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2 2	POS	PO6	PO7	PO8	PO9 2 2 2 2 2 2 2 PO9	PO10 3 3 3 3 3 3	PO11 3 3 3 3 3 3 7 PO11 1 1 1 1 1	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 PSO1 PSO1 PSO1 PSO1 PSO1	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	KHU802 : Project Management & Entrepreneurship Know the need and scope of entrepreneurship Know the enterpreneurial idea and innovation Know the insights of Project Management Know the insights of Project Financing Know the idea and insights of Social Entrepreneurship Target Outcome (Average) PO KOE085 : Open Elective-III (Quality Management) Know details of Quality Concept, Quality control evaluation Know the insights of quality management Know the details of Control Charts Know the details of Control Charts Know the Defects Diagnosis and Prevention Know the detailed standards to maintain quality Target Outcome (Average) PO KOE094 : Open Elective-IV (Digital & Social Media Marketing) Understand shifting from traditional marketing practices to digital marketing practices Understand social media marketing and tools Understand digital leadership principles and reputation management Understand digital leadership principles and reputation management	PO1 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 PO4 2 2 2 2 2 2	POS	PO6	PO7	PO8	PO9 2 2 2 2 2 2 2 PO9	PO10 3 3 3 3	PO11 3 3 3 3 3 3 PO11 PO11 1 1 1 1	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1 3 3 3 3 3 3 3 3 3 3 3 3 3 PSO1 PSO1 PSO1 PSO1 PSO1	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



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KCE851: Project	PO1	POZ	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
01 Work effectively as an individual and member of the team to solve complex civil engineering problems	1	3	3	3					2		3	1	3	2
22 Apply engineering knowledge to solve real life problems and involve in self-learning process	3	3	3	3					2		3	1	3	2
23 Apply modern tools for analysis and design of complex engineering problems	3	3	3	3	3				2	77	3	1	3	2
Develop ethical solutions of engineering problems taking into account its impact on society, environment and sustainability	1	3	3	3			2		2		3	1	3	2
Compose and present detailed project report of his/ her work and defend effectively	1	3	3	3					2		3	1	3	2
Target Outcome (Average) PO	1.8	3	3	3	3		2		2		3	1	3	2

Overall Average PO	2.64	2.9	2.91	2.81	2.5	2.1	1.41	2	1.86	2.67	2.53	1.31	-	-
Σ(PO)	344	563	565	547	125	105	68	100	134	48	112	147	-	
Overall Average PSO	-	-	-	- I	ļ -	-	-	-	-	-	-	-	2.86	1.81
∑(PSO)	_	-	-	-	-	-	-	-	-	_	_	-	513	416

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