				,	/ASIRED	DY VFN	IKATAD	RI INST	ITLITE	OF T	ECHN4	OLOGY				
							INFORM					JEUGI				
								D-PO M								
							I B. 1	ГЕСН. І	SEM							
		CO1	1						ecific	nforn	nation	from s	ocial or	transac	tional dialo	gues
- 1		<u></u>	_				f English									
		CO2									es and	l correc	t word	forms a	nd take not	es while
		<u> </u>	_				answer									
		соз	speak	clearly	on a spe	ecific to	pic usin	g suitak	ole dis	cours	e marl	kers in i	nforma	l discus	sions (L3)	
		CO4	write	summa	ries has	ed on ø	lobal co	mprehe	ension	of re	ading/	listenir	g texts	(L3)		
5	-NGLISH-I	COS	_				oh inter							,/		
R161101	SI3	-						0	. 0.	-70		,	- ()			
2	Ä		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
l		C01	-	-	-	-	-	-	-	-	2	3	-	1	-	-
		C02	-	-	-	-	-	-	-	-	2	3	-	1	-	-
		C03	-	-		-	-	-	-	-	2	3	-	1	-	<u> </u>
		C04		-	-	-	-	-	-	-	2	3	-	1	-	-
		C05	-	-	-	-	-	-	-	-	2	3	-	1	-	-
\perp		Target		<u> </u>	<u> </u>	<u> </u>	<u> </u>				2	3	<u> </u>	1		
-																
		CO1	Under	stand t	he first (order o	rdinary I	Differer	ntial e	quatio	ns an	d analy	se their	applica	ations.	
		CO2	Classif	y and s	olve the	higher	order or	dinary	differ	ential	equat	ions an	d its ap	plicatio	ns.	
		соз	Applyl	Laplace	transfo	rmatior	ns and E	valuate	the in	prop	er inte	gral				
	_	CO4	Remei	mber pa	artialdiff	erentia	tionand	Compu	te ext	reme	value	S.				
	MATHEMATICS-I	CO5											tial diffe	erential	equations	
107	Ι¥	CO6	Classif	y the n	ature of	higher	order p	artial di	iffere	itial e	quatic	ns				
K161102	Ē		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ا ځ	₽	C01	3	2	-	-	-	-	-	-	1	-	-	1	-	-
İ	Σ	C02	3	2	-	-	-	-	-	-	-	-	-	1	-	-
- [C03	3	2	-	-	-	-	-	-	-	-	-	1	-	-
		C04	3	2	-	-	-	-	-	-	-	-	-	1	-	-
		C05	3	2	-	-	-	-	-	-	-	-	-	1	-	-
		C06	3	2	-	-	-	-	-	-	-	-	-	1	-	-
		Target	3	2	<u> </u>]	<u> </u>	<u> </u>				1	<u> </u>	1		
-1		CO1	Appro	nriste !	Jumeric	al moth	ods to f	ind roo	ts of	lgehr	aic Ω. «	transco	ndenta	l egus+i	ons	
- 1	œ	CO2					n and ex					arrsce	nucilla	cyuali	0113	
	ő	CO3	_				ethods t				•	tions.				
	2		Apply	airrerei						entia	equa					
	1etho	CO4				es analy	sis whic	ch is cei					s in en	gineerin	g apart .	
	al Metho	CO4 CO5	Interp	ret Fou	rier seri		sis whice		ntral t	o mar	у арр	lication		gineerin	g apart .	
	atical Metho		Interp Solvin	ret Fou g of Hig	rier seri	er Parti	al differ	ential e	ntral t quatio	o mar ons ar	y app	lication		gineerin	g apart .	
60	ematical Metho	CO5	Interp Solving Apply	ret Fou g of Hig Fourier	rier seri her orde transfo	er Parti rms to	al differe Evaluate	ential e	ntral t quation per in	o mar ons an tegral	ny app id thei	lication r applic	cation		g apart .	
50110	lathematical Metho	CO5 CO6	Interp Solving Apply PO1	ret Fou g of Hig Fourier PO2	rier seri	er Parti	al differ	ential e	ntral t quatio	o mar ons ar	ny app id thei	lication		PO12	g apart . PSO1	PSO2
RIGITOS	1 (Mathematical Metho	CO5 CO6	Interp Solving Apply PO1 3	ret Fou g of Hig Fourier PO2 2	transfo	rms to	Evaluate PO5	ential e impro	quation per in PO7	o mar ons ar tegral PO8	ny app d thei s PO9	r applic	PO11	PO12	PSO1	-
NIGITOS	cs-II (Mathematical Metho	CO5 CO6 CO1 CO2	Interp Solving Apply PO1 3	ret Fou g of Hig Fourier PO2 2	her order transfo	rms to PO4 -	PO5	ential e impro PO6 -	per in	o mar ons ar tegral PO8	y app d thei s	PO10	PO11	PO12 1 1	PSO1 - -	-
KIBIIOS	natics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3	Interp Solving Apply PO1 3 3	ret Fourier Fourier PO2 2 2 2	rier serie her order transfo PO3 - - -	rms to PO4	el differo Evaluate PO5 - -	PO6	per in	o mar ons ar tegral PO8	PO9	PO10	PO11	PO12 1 1 1	PSO1	-
KIBIIO9	hematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4	Interp Solving Apply PO1 3 3 3	ret Fourier Fourier PO2 2 2 2	rier serie ther order transfo PO3 - - -	PO4	PO5	PO6	per in	PO8	PO9	PO10	PO11	PO12 1 1 1 1	PSO1	-
FULLETA	//athematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5	Interp Solving Apply PO1 3 3 3 3 3 3 3 3	ret Fou g of Hig Fourier PO2 2 2 2 2 2	rier sericher order transfo	PO4	PO5	PO6	per in	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1	PSO1	- - - -
SOTTOTA	Mathematics-II (Mathematical Methods)	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	Solving Apply PO1 3 3 3 3 3 3	Fourier PO2 2 2 2 2 2 2 2	rier serie ther order transfo PO3 - - -	PO4	PO5	PO6	per in	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1	PSO1	-
K161109	Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5	Interp Solving Apply PO1 3 3 3 3 3 3 3 3	ret Fou g of Hig Fourier PO2 2 2 2 2 2	rier sericher order transfo	PO4	PO5	PO6	per in	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1	PSO1	- - -
	Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	Interp Solving Apply PO1 3 3 3 3 3 3 3	Fourier PO2 2 2 2 2 2 2 2 2	rier sericher order transfo	PO4	PO5	PO6	per in	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1	PSO1	- - -
	Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Interp Solving Apply PO1 3 3 3 3 3 3 Studen	Fourier PO2 2 2 2 2 2 2 2 2 2 2 nts acquires	rier sericiher order transfo PO3	PO4	al difference valuate	PO6	PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 ght	PSO1	- - - -
	Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1	Interp Solving Apply PO1 3 3 3 3 3 3 3 Studen Studen	Fourier PO2 2 2 2 2 2 2 2 nts acquints acquints acquints acquired for this point in the control of the	rier sericiher order transfo PO3	PO4 abilityt	POS	PO6	per in PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 ght	PSO1	- - - -
	Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2	Interp Solving Apply PO1 3 3 3 3 3 Studen Studen Studen Knowl	Fourier PO2 2 2 2 2 2 2 2 2 1 and the second se	rier sericiter s	PO4 abilityt to underveprop	POS	PO6	per in PO7	o mar ons ar tegral PO8 - - - - - - - - - - - - - - - -	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 thickness of the point of the	PSO1	- - - -
	Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3	Interp Solving Apply PO1 3 3 3 3 3 Studen Studen Studen Knowl Studen	PO2 2 2 2 2 2 2 2 2 2 2 1 2 1 1 1 1 1 1 1	PO3 PO3 PO3 PO4 PO5	PO4 abilityt abilityt to unde	POS	PO6	per in PO7 PO7	POS	PO9	PO10	PO11	PO12 I I I I I I I t t t t t t t t t t t t	PSO1	- - - -
		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4	Interp Solvini Apply PO1 3 3 3 3 3 Studen Studen Studen Knowl Studen Studen	ret Fourier Fourier PO2 2 2 2 2 2 2 2 2 2 2 ints acquints will edge of onts will but will be	PO3 PO3 PO3 PO4 PO5	PO4 abilityt to underveprop develop to desi	POS	PO6	per in PO7 PO7	POS	PO9	PO10	PO11	PO12 I I I I I I I t t t t t t t t t t t t	PSO1	- - - -
		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 COCO COCO COCO COCO COCO CO	Interp Solvini, Apply PP01 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Fourier Fourier PO2 2 2 2 2 2 2 2 2 2 2 ints acquints will edge of onts will but will be	PO3	PO4 abilityt to underveprop develop to desi	POS	PO6	per in PO7 PO7	POS	PO9	PO10	PO11	PO12 I I I I I I I t t t t t t t t t t t t	PSO1	- - - -
		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 COCO COCO COCO COCO COCO CO	Interp Solvin, Apply PP01 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Four g of Higg Fourier PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rier sericher order transformula transformul	PO4 PO4 Abilityt to under veproper design of the second se	PO5	ential e impro PO6	per in PO7 PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 tht.	PSO1	
	Applied Physics Mathematics-II (Mathematical Metho	CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7	Interp Solvini Apply PP01 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Fou g of Higg Fourier PPO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	PO4	POS o applykerstand agation oscientifign and a	PO6 cnowled and its fiction in alyse PO6 PO6 Cnowled and its fiction in alyse PO6 PO6 PO6 PO6 PO7 PO7 PO7 PO7	per in PO7	POS nnterfer nnterfer possor posso	PO9 PO9	PO10	PO11	PO12 I I I I I I I I PO12 PO12 PO12	PSO1	- - - - - -
		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6	Interp Solvini, Apply PO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Four g of Higg Fourier PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 Lire the be able terments FEMW as able terments PO3 Lire the be able terments PO4 PO5 PO6 PO7 PO7 PO7 PO8 PO8 PO8 PO9	PO4	al difference and all difference	PO6	per in PO7	POS POS POS POS POS POS POS POS	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	
		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO6 CO7	Interp Solving Apply PO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Four g of Hig Fourier PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rier serii her orde transfo PO3	PO4	al difference and all difference	PO6	per in PO7	o mar ons ar tegral PO8 - - - - - - - - - - - - - - - - - - -	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	
R161104 R161109		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO6 CO7	Interp Solvini Apply PO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Four g of Hig Fourier PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rier serii her orde transfo	PO4	al difference and all difference	PO6	per in pe	o mar ons ar tegral PO8 - - - - - - - - - - - - - - - - - - -	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	PSO2
		CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO6 CO7	Interp Solving Apply PO1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ret Four g of Hig Fourier PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rier serii her orde transfo PO3	PO4	al difference and all difference	PO6	per in PO7	o mar ons ar tegral PO8 - - - - - - - - - - - - - - - - - - -	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	

							IKATAD					DLOGY				
				DE	PARTMI	NT OF	INFOR				UGY					
		lan.	Lindon	oto n din	a basis	invann i		D-PO M			na ola	a rith nai	المام م	anc to .	rablama	
		CO1	_				style in		u ion	nuiati	ng aig	OHUHHH	c soluti	ons to p	oroblems.	
		CO2	_						hlam i	منباه						
		CO3					iteratior ∕Iodular									
	B	CO4 CO5					g Arrays			gapp	i Gacii.					
	Ē	CO6					ta using			nd File	Mana	gemen	t			
_	ran	-	Comp	CHCHSI	on or gr	oup uu	u using	Juctu	103 01	ia i ne	iviani	gemen				
R161107	Computer Programming		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
316	P.	C01	2	2	2	-	2	-	-	-	-	-	-	-	2	-
-	ă	C02	1	1	-1	-	2	-	-	-	-	-	-	-	2	-
	Ē	C03	2	2	2	2	-	-	-	-	-	-	-	-	2	2
	O	C04	1	2	3	3	-	-	-	-	-	-	-	-	2	2
		C05	2	3	2	2	1	-	-	-	-	-	-	-	2	2
		C06	2	3	3	3	-	-	-	-	-	-	-	-	2	2
		Target	1.67	2.17	2.17	2.5	1.67								2	2
						•										
		CO1	To dra	w vario	us Engir	neering	curves	& polyg	ons.							
		CO2	To un	derstan	d differe	ent scal	es used	in the i	ndusti	rv. to	recogi	nize pri	nciples	of proie	ction &to d	lraw
					projecti					,,	0			,		
İ		соз	To inte	erpret t	he proje	ection p	rinciple	s to dra	w pro	jectio	ns of	traight	lines.			
İ		CO4	To und	derstan	d the va	rious w	ays to d	raw pro	ojectio	ons of	plane	s.				
İ	/ing	CO5	To dra	w the p	rojectio	ns of so	olids by	applyin	g prin	ciples	of Or	thograp	hic pro	jection	5.	
2	Engineering Drawing	CO6	To cor	vert isc	metric	views ir	nto orth	ographi	ic viev	vs and	d vice	versa.				
R161112	<u>8</u>							-								
116	ë		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
-	ji.	C01	1	1	1	-	-	-	-	-	-	-	-	1	-	-
	Eng	C02	2	2	2	-	-	-	-	-	-	-	-	1	-	-
		C03	2	2	2	-	-	-	-	-	-	-	-	1	-	-
		C04	2	2	2	-	-	-	-	-	-	-	-	1	-	-
		C05	2	2	2	-	-	-	-	-	-	-	-	1	-	-
		C06	3	3	3	-	-	-	-	-	-	-	-	1	-	-
		Target	2	2	2											
				_										1		
														1		
			1	fy the co	ontext, t		nd piece							ransact		
	-1	CO1	dialog	fy the co	ontext, t ken by r	native s	peakers	of Engl	ish an	d spe				ransact		
	.ab – 1	CO1	dialog suitab	fy the co ues spo le disco	ontext, t ken by r urse ma	native s irkers ir	peakers n inform	of Engl	ish an Ission	d spe s (L3)	ak clea	arly on a	specifi	transact ic topic	using	
	ills Lab – 1		dialog suitab take n	fy the co ues spo le disco otes wh	ontext, t ken by r urse ma	native s irkers ir ning to	peakers n inform a talk/le	of Engl al discu ecture;	ish an Ission: to ans	d spe s (L3) swer c	ak clea	ons in E	specifi	ransact ic topic formula	using	
	Skills Lab – 1	CO1	dialog suitab take n senter	fy the co ues spo le disco otes wh	ontext, t ken by r urse ma nile liste ng prop	native s irkers in ning to er gram	peakers n inform a talk/le nmatical	of Engli al discu ecture; structu	ish an ission: to ans ires ar	d spe s (L3) swer c nd cor	ak clea	ons in E	specifi	ransact ic topic formula	using	
14	tion Skills Lab – 1		dialog suitab take n senter langu	fy the co ues spo le disco otes wh nces usi age effe	ontext, t ken by r urse ma nile liste ng prop ectively	native s orkers in ning to er gram in comp	peakers n inform a talk/le nmatical petitive	of Engli al discu ecture; structu examin	ish an ission: to ans ires ar ations	d spea s (L3) swer cond con s (L3)	ak clea Juestic rect v	ons in E	n specifi nglish; ms; an	ransact ic topic formula d use	using	
51114	ication Skills Lab – 1		dialog suitab take n senter langu Write	fy the couses spool to discousting the coust of the coust	ontext, t ken by r urse ma nile liste ng prop ectively ries bas	native s arkers in ning to er gram in comp ed on g	peakers n inform a talk/le nmatical petitive llobal co	of Engli al discu ecture; structu examin mprehe	ish an ission: to ans ires ar ations	d spea s (L3) swer of nd con s (L3) n of re	uestic rect w	ons in E vord for	nglish; ms; an	ransact ic topic formula d use ; produ	te ce a	
R161114	nunication Skills Lab – 1	CO2	dialog suitab take n senter langu Write coher	fy the coues spo le disco otes whoces usi age effe summa ent wri	ontext, t ken by r urse ma nile liste ng prop ectively ries bas	native s rkers in ning to er gram in comp ed on g terpret	peakers n inform a talk/le nmatical petitive lobal co ing a fig	of Engli al discu ecture; structu examin mprehe	ish an ission: to ans ires ar ations	d spea s (L3) swer of nd con s (L3) n of re	uestic rect w	ons in E vord for	nglish; ms; an	ransact ic topic formula d use ; produ	te ce a	
R161114	ommunication Skills Lab – 1	CO2	dialog suitab take n senter langu Write coher mediu	fy the coues spoole discoordes whoces using age effective summarent writum of co	ontext, t ken by r urse ma nile liste ng prop ectively ries bas te-up in	native s irkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive lobal co ing a figi (L3)	of Engli al discu ecture; structu examini mprehe ure/gra	ish an ission: to ans ires ar ations ensior ph/ch	d spes s (L3) swer cond cond s (L3) n of repart/ta	question rect wearing, able; a	ons in E vord for listenia nd use	nglish; ms; an ng texts English	ransact ic topic formula d use ;; produ as a su	te ce a ccessful	
R161114	- Communication Skills Lab – 1	CO2	dialog suitab take n senter langu Write coher mediu	fy the coues spo le disco otes whoces usi age effe summa ent wri um of co	ontext, t ken by r urse ma nile liste ng prop ectively ries bas te-up in pmmuni	native s irkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive (lobal co ing a fig (L3)	of Englial discuecture; structuexaminimpreheure/gra	ish an ission: to ansures ar ations ensior ph/ch	d spes s (L3) swer on d con s (L3) n of re hart/ta	question rect warding, able; a	ons in E vord for listenia nd use	nglish; ms; an ng texts English	rransact ic topic formula d use ;; produ as a su	te ce a ccessful	PSO2
R161114	ilish - Communication Skills Lab – 1	CO2	dialog suitab take n senter langu Write coher mediu	fy the coues spoole discoordes whoces using age effective summarent writum of co	ontext, t ken by r urse ma nile liste ng prop ectively ries bas te-up in	native s irkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive lobal co ing a figi (L3)	of Engli al discu ecture; structu examini mprehe ure/gra	ish an ission: to ansures are ations ensior ph/ch	d spes s (L3) swer cond cond s (L3) n of repart/ta	question rect was ading, able; a	ons in Evord for /listenin nd use	nglish; ms; an ng texts English	formulad use ;; produ as a su	te ce a ccessful	PSO2
R161114	English - Communication Skills Lab – 1	CO2 CO3 CO1 CO2	dialog suitab take n senter langu Write coher mediu	fy the coues spo le disco otes whoes usi age effe summa ent wri um of co	pontext, t ken by r uurse ma nile liste ng prop ectively ries bas te-up in pmmuni	native s nrkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive e lobal co ing a fige (L3) PO5 -	of Englial discuecture; structuexaminimpreheure/gra	ish an ission: to ansures are ations ensior ph/ch	d spess (L3) swer cond cond (L3) n of repart/ta	question rect was ading, able; a	ons in Evord for Allerton and use	nglish; ms; ann ng texts English	formula d use s; produ as a suc	te ce a ccessful PSO1 -	-
R161114	English - Communication Skills Lab – 1	CO2 CO3 CO1 CO2 CO2 CO3	dialog suitab take n senter langu Write coher mediu	fy the coues spo le disco otes whoces usi age effe summa ent wri um of co	ontext, t ken by r urse ma nile liste ng prop ectively ries bas te-up in pmmuni	native s irkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive (lobal co ing a fig (L3)	of Englial discuecture; structuexaminimpreheure/gra	ish an ission: to ansures are ations ensior ph/ch	d spes s (L3) swer on d con s (L3) n of re hart/ta	question rect war ading, able; a	ons in Evord for listening nd use	nglish; ms; an ng texts English	formulad duse s; produ as a sud	te ce a ccessful	PSO2
R161114	English - Communication Skills Lab – 1	CO2 CO3 CO1 CO2	dialog suitab take n senter langu Write coher mediu	fy the coues spo le disco otes whoes usi age effe summa ent wri um of co	pontext, t ken by r uurse ma nile liste ng prop ectively ries bas te-up in pmmuni	native s nrkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive e lobal co ing a fige (L3) PO5 -	of Englial discuecture; structuexaminimpreheure/gra	ish an ission: to ansures are ations ensior ph/ch	d spess (L3) swer cond cond (L3) n of repart/ta	question rect was ading, able; a	ons in Evord for Allerton and use	nglish; ms; ann ng texts English	formula d use s; produ as a suc	te ce a ccessful PSO1 -	-
R161114	English - Communication Skills Lab – 1	CO2 CO3 CO1 CO2 CO2 CO3	dialog suitab take n senter langu Write coher mediu	fy the coues spoole discoues whose summa ent writum of co	pontext, t ken by r uurse ma nille liste ng prop ectively ries bas te-up in pommuni	native s arkers in ning to er gram in comp ed on g terpret cation.	peakers n inform a talk/le nmatical petitive e lobal co ing a fige (L3) PO5 -	of Englial discussions of Englial discussions of Englian discussions	to ansures autions ension ph/ch PO7	d speis (L3) swer cond cond (L3) n of repart/ta	puestic rect was ading, able; a	pons in Evord for vord for vord for vord for vord for vord for vord use	nglish; mgish; ms; and ng texts English	ransactic topic formula d use s; produ as a such production of the second of the secon	te ce a ccessful PSO1 -	-
R161114	English - Communication Skills Lab – 1	CO2 CO3 CO1 CO2 CO3 Target	dialog suitab take n senter langu Write coher mediu	fy the coues spoole discoues whose summa ent wrium of co	pontext, tken by rurse manile liste ng propectively ries baste-up in pommuni	native s arkers in ning to er gram in comped on g terpret cation.	peakers n inform a talk/le nmatical petitive o lobal co ing a fig (L3) POS	of Englial discussions of Englial discussions of Englian discussions	res arations ph/ch PO7	d spead of s	rect warding, able; a	pons in Evord for Allistenia nd use PO10 3 3 3 3 3 concept	nglish; rms; and ng texts English PO11 s of light	ransactic topic formula d use s; produ as a sur	te ce a ccessful PSO1 -	-
R161114	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target	dialog suitab take n senter langu Write coher mediu	fy the coues spo le disco otes wh nees usi age effe summa ent wri um of co	pontext, tken by rurse manile liste ng propectively ries baste-up in pommuni	native s arkers in ning to er gram in comped on geterpret cation. PO4 ity to a ity to a ity to a	peakers inform a talk/le inmatical petitive of lobal co ing a figs (L3) PO5	of Englial discuecture; structuexaminimprehoure/gra	ish an ission: to ansires arit	d spei	ak clear questic rrect w ading, able; a	PO10 3 3 3 3 concept	nglish; rms; and ng texts English PO11 s of light	ransactic topic formula d use s; produ as a sur	te ce a ccessful PSO1 -	-
R161114	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2	dialog suitab take n senter langu Write coher medit	fy the course spool le discourse spool le discourse spool le discourse suitable summanium of course suitable spool le discourse suitable summanium of course spool le discourse spool le	pontext, to ken by riurse manile liste manile liste manile liste manile liste is bassite-up in manile manile liste is bassite-up in manile man	native s arkers in ning to er gram in complete on geter pret cation. PO4 - - ity to a ity to a ity to a ito under so in the condition of the cation of t	peakers inform a talk/le inmatical betitive olobal co ing a figi (L3) PO5	of Englial discuential discuen	ish an ission: to anssion: to anssires are attions ensior ph/ch PO7	d speids (L3) swer condition of recond cord (L3) PO8 PO8 terfer cons of illication	posticities and the second sec	PO10 3 3 3 3 Concept	nglish; ms; and ng texts English PO11 s of lights of lights and light	production of the control of the con	te ce a ccessful PSO1	-
R161114	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3	dialog suitab take n senter langu Write coher medit	fy the course spool to the	ontext, t, ken by r wrse man ille liste man propper some steel with the state of th	native s irrkers ir ining to er gram in comped on g gterpret cation. PO4 ity to a a ity to a a to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b to unded ics of b in its interval	peakers inform a talk/le inmatical betitive olobal co ing a figi (L3) POS	of Englial discure; structure; structure; structure; structure/graume/gr	ish an ission: sto ansion: sto	d spei	pop pop 2 2 2 2 2 2 2 Laserse of Lasers wintries a	pons in E E vord for in the vo	nglish; ms; an ng texts English PO11 s of ligit	ransactic topic formula duse g; produ as a su PO12 1 1 1 1 the control of the co	te ce a ccessful PSO1 eration	-
R161114	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5	dialog suitab take n senter langu Write coher mediu P01 Studei Studei Knowl Studei Stude	fy the course spool to the course using the course using the course using the course using the course using the course course using the course	ontext, tken by received the second s	native s rkers in ing to er gram in compined on g ged action. PO4 ity to a ity to a to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded	peakers n inform a talk/le matical petitive of lobal co- ing a fig- (L3) POS	of Englial discure; structure; structure; structure; structure/gramprehender PO6	ish an ission: to ansion: to ansion: ations ension ph/ch PO7 e of In ilicatic T app	d spei	pop pop 2 2 2 2 2 2 2 Laserse of Lasers wintries a	pons in E E vord for in the vo	nglish; ms; an ng texts English PO11 s of ligit	ransactic topic formula duse g; produ as a su PO12 1 1 1 1 the control of the co	te ce a ccessful PSO1 eration	-
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4	dialog suitab take n senter langu Write coher mediu P01 Studei Studei Knowl Studei Stude	fy the course spool to the course using the course using the course using the course using the course using the course course using the course	ontext, tken by received the second s	native s rkers in ing to er gram in compined on g ged action. PO4 ity to a ity to a to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded sufficient output to unded ics of b to unded	peakers inform a talk/le inmatical betitive olobal co ing a figi (L3) POS	of Englial discure; structure; structure; structure; structure/gramprehender PO6	ish an ission: to ansion: to ansion: ations ension ph/ch PO7 e of In ilicatic T app	d spei	population properties a service and servic	pons in E E vord for in the vo	nglish; ms; an ng texts English PO11 s of ligit	ransactic topic formula duse g; produ as a su PO12 1 1 1 1 the control of the co	te ce a ccessful PSO1 eration	-
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5	dialog suitab take n senter langu Write coher medii Studei Studei Studei Studei Studei dielec	fy the course spool to the	pontext, tken by ricken by	native s rates in a comparative s rates in co	peakers inform a talk/l/ a talk/l/ a talk/l/ inform a talk/l/ inform a talk/l/ inform a talk/l/ inform a talk/l/ inform a talk/l/ information a talk/l/ in	of Englial discure; structure; structure; structure; structure/graume/gr	por line of li	d spec s (L3) wwer cond cond cond (L3) n of researt/tal PO8 terfer terfer terfer various	PO9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ons in E E E E E E E E E E E E E E E E E E	s pecifish; ms; an mg texts English PO11 s of light s of light ned lear por s of ma	ransactic topic formula d use t; produ as a su PO12 1 1 1 1 the the twer gere	rete ce a ccessful cc	-
R161115 R161114	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter langu Write coher media	fy the course spool to the	pontext, tken by riverse manifeliste manifeliste manifeliste basite-up in mommuni propose trively ries basite-up in mommuni programment abilities abilities abilities abilities abilities basite basite basite basite terials in programment programme	rative s rrkers in ing to the string to the	peakers in inform a talk/lef matical amatical control of the contr	of Englial discure; structure; structure; structure; structure/gramprehender PO6	ish an ission: to ansion: to ansion: ations ension ph/ch PO7 e of In ilicatic T app	d spei	population properties a service and servic	pons in E E vord for in the vo	nglish; ms; an ng texts English PO11 s of ligit	ransactic topic formula duse g; produ as a su PO12 1 1 1 1 the control of the co	te ce a ccessful PSO1 eration	-
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter langu Write coher media	fy the coues spoole discovered by the coues spoole discovered by the coues will be countried by the coues will be countried by the countried b	pontext, tken by ricken by	rity to a to under sufficient of in industrial and in industrial and in industrial and in industrial and in industrial and ind	peakers in inform a talk/le matical a talk/le matical (LS) a last control of the control of talk/le matical (LS) a last control of talk/le matical (LS) a last control of talk/le matica	of Englial discure; structure; structure; structure; structure, structure, grain and properties of the app and ND the main and	to ansisted and the second and the s	d specific section (13) where conditions (13) and free conditions of the condition of the conditions of the conditions of the conditions of the conditions of the conditions of the condition of the conditions of	PO9 2 2 2 2 2 Pence Cence Countries a survive sa app	pons in E E E E E E E E E E E E E E E E E E	specification in specif	ransactic topic formulaid d use g; produ as a sur PO12 1 1 1 1 1 1 PO12 PO12	PSO1	- - - - PSO2
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter langu Write coher mediu PP01 Studei Studei Knowl Studei Studei Studei Studei Studei Studei Gielec	fy the coues spoole discoues spoole discoues who cotes who cotes who cotes who cotes who cotes who cotes who cotes who cotes who cotes who cotes who cotes who cotes who cotes are made and cotes will be cotes with the cotes will be cotes with th	pontext, tken by ricken by ricken by ricken by ricken by ricken by ricken groop ectively ricken be because the unit of the community of the co	rative s rkers in interest in complete on general research in complete on general research into the case of the ca	peakers inform a talk/information and a talk/information and a talk/information and information of Englal discussions of Englal discussions of Englal discussions of England of England of England of England of England of England of England of England of England of England of England of England of England of England	to ansisted and the second and the s	d specific section of the section of	posticities a question of the control of the contro	protection of the second of th	specification of the state of t	ransactic topic formulad d use ;; produ as a sui PO12 1 1 1 1 1 1 1 PO12	reation and PSO1		
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter senter mediu Write cohernmediu Studei Studei Studei Studei Studei Studei Studei Studei 3 3 2 3 3	fy the coues spoole discoues spoole discoues spoole discoues who could be seen as a se	pontext, tken by rurse ma ille liste mg prop protively ries bass te-up in inommuni programment programment in ille liste base ille ma ille liste base ille liste base ille base ble acquire terials in programment ille programment	rative s rrkers in ing to the regression of the	peakers in inform a talk/li at ta	of Englial discuecture; structure; structure; structure; structure; structure; structure; structure/grain mpreheure/grain mpreheure/grain mpreheure/grain mpreheure/grain mpreheure/grain manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion m	ish an ission:	d spei	posticities and posticities an	PO10 Some in E E E E E E E E E E E E E E E E E E	s pecification of the second o	ransactic topic ic topic formulading i; produ as a sur PO12 1 1 1 1 1 1 P012	retation and PSO1	PSO2
	Applied / Engineering Physics Lab English - Communication Skills Lab – 1	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter negative coher media suitab su	fy the coues spooled discovered by the coues with the coues with the course wi	pontext, tken by reconstruction will listed by the properties based by the properties based by the properties based by the properties based by the properties based by the properties based be able acquire terials in the properties based by the properties be able acquire terials in the properties based by the properties by the properties based by the properties based by the properties based by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by t	rkers in ining to rkers in ining to read	peakers in inform a talk/life in inform a talk/life in inform a talk/life in inform in inform in informative in informative in informative in informative in informative in informative in informative in informative in informative in informative informative in in	of Englial discurrence of English discurrence of English discurrence	to ansisted and the second and the s	d specific section of the section of	posticities a question of the control of the contro	protection of the second of th	specification in specif	ransactic topic formulad d use ;; produ as a sui PO12 1 1 1 1 1 1 1 PO12	reation and PSO1	PSO2
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter senter mediu Write cohernmediu Studei Studei Studei Studei Studei Studei Studei Studei 3 3 2 3 3	fy the coues spoole discoues spoole discoues spoole discoues who could be seen as a se	pontext, tken by riverse manifel liste manifel liste manifel liste manifel liste manifel liste manifel liste manifel liste manifel liste manifel liste had been alle acquire ability and acquire terials in manifel liste manifel	rative s rrkers in ing to the regression of the	peakers in inform a talk/li at ta	of Englial discuecture; structure; structure; structure; structure; structure; structure; structure/grain mpreheure/grain mpreheure/grain mpreheure/grain mpreheure/grain mpreheure/grain manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion manual multiple discussion m	ish an ission:	d species (L3) swer c (C3) swer c (C3) swer c (C3) swer c (C3) post c (C3) po	uestici questici questici que stici que stici que stici que stici que se se se se se se se se se se se se se	pons in E E E E E E E E E E E E E E E E E E	s pecification of the second o	ransactic topic ic topic formulad d use ;; produ as a suu PO12 1 1 1 1 1 1 PO12	psol	PSO2
	English - Communication Skills Lab	CO2 CO3 CO1 CO2 CO3 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	dialog suitab take n senter langu Write coher medit	fy the course spool le discourse will be a sp	pontext, tken by reconstruction will listed by the properties based by the properties based by the properties based by the properties based by the properties based by the properties based be able acquire terials in the properties based by the properties be able acquire terials in the properties based by the properties by the properties based by the properties based by the properties based by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by the properties by t	rative s rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in rrkers in results in res	peakers in inform a talk/lul at talk/lul a	of Englal discu- ceture; structure structure profe	PO7 e of Initializations ph/ch PO7	d species (L3) were conditioned to see the c	posticities a po	rity on a consist E E E E E E E E E E E E E E E E E E E	specification of the state of t	ransactic topic ic topic formula d use j; produ as a su PO12 1 1 1 1 1 PO12	PSO1	PSO2

							KATAD					OLOGY				
				DE	PARTMI	ENT OF	R16 CC	O-PO M			OGY					
-		CO1	lUnder	stand t	he basic	termin	ology us	sed in c	ugmo	ter pr	ogran	nming				
		CO2					ograms									
		соз	Use di	ifferent	data ty	oes in a	comput	er prog	gram.							
ļ	_	CO4					ecision s									
	Computer Programming Lab	CO5					etween					referen	ce			
	nin	CO6					memor					loc				
6	Ē	107	Jose ui	merent	uata sti	uctures	s and the	ate/up	uate	Jasic	uata II	ies.				
8161119	ogra		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
R16	Ę	C01	3	1	1	1	2	-	-	-	-	-	-	-	-	-
	nte	C02	3	3	1	1	2	-	-	-	-	-	-	-	1	-
ļ	Ĕ	C03	3	2	3	2	2	-	-	-	-	-	-	-	2	-
ł	٥	C04	3	3	2	2	3	-	-	-	-	-	-	-	2	-
l		Co6	3	2	2	2	2	-	-	-	-	-	-	-	3	+ -
İ		C06	3	2	3	3	3	-	-	-	-	-	-	-	3	-
İ		Target	3	2.29	2	2	2.29		İ						2.17	1
							IB.T	ECH. II	SEM							
		CO1	To rea	d and c	ompreh	end En	glish sto	ries an	d text	S						
İ		CO2	To wri	ite effe	ctively u	sing ap	propriat	e forma	at and	trans	fer ve	rbal inf	ormatio	on into i	nonverbal	
		COZ	inform	nation												
		соз	To imp	prove li	stening	skills pa	rticularl	y relate	ed to	Гесhn	ical En	nglish ar	nd spea	k in Eng	lish withou	ıt
		<u> </u>	inhibit	tion												
		CO4	To exp	oand vo	cabular	y range	and use	it effe	ctively	and	gramn	natically	for En	glish co	mmunicati	on
,	=	cor	-													
R161201	English –II	COS			fe skills : eal life s			necessa	ry for	effec	tive co	mmuni	cation	and crit	ically respo	nd in
R16	<u></u>	-	English	ıı to a re	zai IITE S	ituatior	15									
	ш		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
		C01	-	-	-	-	-	-	-	-	2	3	-	1	-	
		C02	-	-		-	-	-	-	-	2	3	-	1	-	
		C03	-	-	-	-	-	-	-	-	2	3	-	1	-	-
İ		C04		-	-	-	-	-	-	-	2	3	-	1	-	-
İ		C05	-	-	-	-	-	-	-	-	2	3	-	1	-	-
		Target									2	3		1		
l		CO1					uations			their	applic	ations				
1		CO2 CO3					d eigen v ntegrals			find	urface	e area a	ind volu	imes of	solids	
ł		CO4	_				th speci		•	mia.	Juliuci	c arca c	ilia voit	annes or	301103.	
İ		CO5	D:00					arrunc	tions							
ļ			Differe	entiate	the scal	ar and	vector fu									
- 1	Ţ	CO6						ınction	s.	d Esta	ıblish	vector i	ntegral	theore	ms.	
203	atics-III	CO6	Under	stand li	ne, surf	ace and	vector fu I volume	inction integr	s. als an							1
161203	ematics-III		Under PO1	rstand li			vector fu	inction integr	s.	d Esta		PO10		PO12	ms.	PSO2
R161203	lathematics-III	C01	PO1 3	PO2	PO3	PO4	vector full volume	PO6	s. als an	PO8	PO9	PO10 -	PO11	PO12	PSO1	-
R161203	Mathematics-III		Under PO1	rstand li	ne, surf	ace and	vector fu I volume	inction integr	s. als an					PO12		PSO2
R161203	Mathematics-III	C01 C02	PO1 3 3	PO2 2 2	PO3	PO4	PO5	PO6	PO7	PO8	PO9 -	PO10 - -	PO11 -	PO12 1	PSO1 - -	-
R161203	Mathematics-III	C01 C02 C03	PO1 3 3 3 3	PO2 2 2 2	PO3	PO4	PO5	PO6	PO7	PO8	PO9 -	PO10 - -	PO11 - -	PO12 1 1 1	PSO1	-
R161203	Mathematics-III	C01 C02 C03	P01 3 3 3 3	PO2 2 2 2 2 2	PO3	PO4	PO5	PO6	PO7	PO8 - - -	PO9 - - -	PO10 - - -	PO11 - -	PO12 1 1 1 1	PSO1	- - -
R161203	Mathematics-III	C01 C02 C03 C04 C05	PO1 3 3 3 3 3 3 3 3	PO2 2 2 2 2 2 2 2 2 2	PO3	PO4	PO5	PO6	PO7	PO8	PO9 - - -	PO10 - - -	PO11 - -	PO12 1 1 1 1 1 1 1	PSO1	- - -
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06	PO1 3 3 3 3 3 3 3 3 3	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	PO4	PO5	PO6	PO7	- - - -	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 3 3 3 4 Able to	PO2 2 2 2 2 2 2 2 2 2 0 explain	PO3	PO4 synthe	PO5	PO6	PO7	PO8	PO9	PO10 perties,		PO12 1 1 1 1 1 1 1 1 1 counding	PSO1 and refran	- - - - - -
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06	PO1 3 3 3 3 3 3 3 3 4 3 5 4 8 6 a b risk fabric with a second control of the second cont	PO2 2 2 2 2 2 2 2 2 2 0 explaination	PO3	PO4 syntheners, planers, planers	PO5	PO6	PO7	PO8	PO9	PO10 perties,		PO12 1 1 1 1 1 1 1 1 1 counding	PSO1	- - - - - -
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 4 Able to &fabria with co	PO2 2 2 2 2 2 2 2 2 2 2 2 conduction duction	PO3	PO4	POS	PO6	PO7	PO8	PO9 al pro	PO10 perties,	PO11 fibre r	PO12 1 1 1 1 1 1 1 1 ounding einforce	PSO1 and refran	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 4 Able to &fabriu with co	PO2 2 2 2 2 2 2 2 2 2 2 2 2 co explaication conduct:	PO3	PO4 syntheners, plamers	POS	PO6	PO7	PO8	PO9 luding	PO10 perties,	PO11 fibre r	PO12 1 1 1 1 1 1 1 1 ounding einforce	PSO1 and refran	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 4 Able to &fabriu with co	PO2 2 2 2 2 2 2 2 2 2 2 2 2 co explaication conduct:	PO3	PO4 syntheners, plamers	POS	PO6	PO7	PO8	PO9 luding	PO10 perties,	PO11 fibre r	PO12 1 1 1 1 1 1 1 1 ounding einforce	PSO1 and refran	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 Able to &fabrit with control Recognition and Artificial Rec	PO2 2 2 2 2 2 2 2 2 2 2 0 explaination conductions	PO3	PO4	PO5	PO6	PO7 d mecomers	PO8	PO9 al pro pplica	PO10	PO11	PO12 1 1 1 1 1 1 1 determ	PSO1	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 3 Able to & fabrit with control Recognized and All	PO2 2 2 2 2 2 2 2 2 2 2 2 co explaication conductionize spinalysis of	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determ	PSO1 and refran	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 3 Able to & Recog and Al	PO2 2 2 2 2 2 2 2 2 2 2 2 2 co explaication conductions and selection conductions are selected as a	PO3	PO4	POS	PO6	PO7 PO7 PO Grant Market	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determ	PSO1 and refranced polymer	
R161203	Mathematics-III	C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 3 Able to & Recog and Al	PO2 2 2 2 2 2 2 2 2 2 2 2 2 co explaication conductions and selection conductions are selected as a	PO3	PO4	POS	PO6	PO7 PO7 PO Grant Market	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determ	PSO1 and refranced polymer	
R161203		C01 C02 C03 C04 C05 C06 Target	PO1 3 3 3 3 3 3 3 4 Able tr &fabriwith c Recog and Ai	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 4 4 5 5 5 7 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12 I I I I I I I Oundingseinforce determ	PSO1	
R161203		C01 C02 C03 C04 C05 C06 Target C01 C02	PO1 3 3 3 3 3 3 3 4 Able tr &fabriwith c Recog and Ai	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 4 4 5 5 5 7 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12 I I I I I I I Oundingseinforce determ	PSO1 and refrand polymer	
		C01 C02 C03 C04 C05 C06 Target C01 C02	PO1 3 3 3 3 3 3 3 Able to &fabrit with concerdisting	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 4 4 5 5 5 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10	P011	PO12 1 1 1 1 1 1 4 bunding geinforce determ	PSO1 and refranced polymer potentials, y to corros and Illustra hy living	
		C01 C02 C03 C04 C05 C06 Target C01 C02	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	ace and	POS	PO6	s. als an PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determinants determinants s ductors s	PSO1	
		C01 C02 C03 C04 C05 C06 Target C01 C02 C03	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai	PO2 2 2 2 2 2 2 2 2 2 2 2 2 and the second s	PO3	ace and	POS	PO6	s. als an PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determinants determinants s ductors s	PSO1	
	Applied Chemistry Mathematics-III Mathematics-III	C01 C02 C03 C04 C05 C06 Target C01 C02 C03	PO1 3 3 3 3 3 3 3 Able to &fabrit with concerdisting Discovapplic Under working	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	PO4	POS	PO6	s. als an PO7	PO8	PO9	perties, calorific livanic coge of e cosion p tals, sup in indu	PO11	PO12 1 1 1 1 1 1 1 determ	PSO1	ion,
R161211 R161203		C01 C02 C03 C04 C05 C06 Target C01 C02 C03	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai Under conce disting Under workin mater Recog	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 4 5 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	POS	PO6	d meers of fue ate m Apply able to	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determinants determinants s determinants s ductors s ductors s ductors s ductors s tovoltai	PSO1	ion,
		C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C06 C07 C006 C006 C006 C006 C00	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai Under conce disting Under workin mater Recog	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 4 5 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	POS	PO6	d meers of fue ate m Apply able to	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determinants determinants s determinants s ductors s ductors s ductors s ductors s tovoltai	PSO1	ion,
		C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C06 C07 C006 C006 C006 C006 C00	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai Under conce disting Under workin mater Recog	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 4 5 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	POS	PO6	d meers of fue ate m Apply able to	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 determinants determinants s determinants s ductors s ductors s ductors s ductors s tovoltai	PSO1	ion,
		C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C06 C07 C006 C006 C006 C006 C00	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai Under conce disting Under workin mater Recog	PO2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 4 5 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PO3	PO4	POS	PO6	d meers of fue ate m Apply able to	PO8	PO9	perties, tions of a calorification of the ca	PO11	PO12 1 1 1 1 1 1 1 4 bunding geinforce determ determ ectrode hemistr s s	PSO1	ion,
		C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C06 C07 C006 C006 C006 C006 C00	PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai Under conce disting the working mater working mater and the policy of the p	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	PO4	POS	PO6	d meedomers of fuedate m Applyable t lilline: ing m	PO8	PO9	perties, tions of a calorification of the ca	PO11	PO12 1 1 1 1 1 1 1 4 bunding geinforce determ determ ectrode hemistr s s	PSO1	ion,
		CO1 CO2 CO4 CO5 CO6 CO6 CO1 CO2 CO1 CO2 CO2 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6	PO1 3 3 3 3 3 3 3 3 4 Able to &fabri with conce disting the conce disting the concern with	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	synthelers, plamers aracter by proxi d mateer and g ructure and train attribute and train attribute and train attribute and train attribute and train attribute and train attribute and train attribute and train attribute and train attribute and train attribute and train attribute attribute and train attribute attrib	POS sistic propriate an incomparation of solid	PO6	PO7	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 the population of the property of the propert	PSO1	ion,
		CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO1 CO2 CO3 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	PO1 3 3 3 3 3 3 3 3 4 Able to &fabri with concerning the second application of the second applic	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 2	PO3	ace and PO4	POS sistic projumate an institution of solutions of solu	PO6	PO7	PO8	PO9	PO10	PO11 comport comport comport comport covalue construct covalue coroblem co	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	ion, rete the control of the second of the
		CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Under State of the state of the	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	ace and PO4	POS	PO6 sical an delast dutim uction a six and a cources a cources a cources a cource a	PO7 d meetoomers of fue atteria ic meetoing m pond meetoomers of pond meetoomers	PO8	PO9	PO10	PO11 comport fibre r	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	
R161211 R161203		CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	PO1 Able to & Fabrica and Art working matter workin matter working working wo	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 in about of polyning poly ecific chord coal but of cleaners to the cleaners to the cleaners to th	PO4	POS	PO6 sical an delast cuction a delast dutima and delast dutima and delast cuction a delast dutima and delast cuction a delast dutima and delast dutima and delast cuction a delast dutima and del	d meedomers of fue atterial ic meedomers lillinessing m poor poor poor poor poor poor poor poo	PO8	PO9	perties, tions of calorification	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	ion, PSO2
		CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Under PO1 3 3 3 3 3 3 3 4 Able t &fabriwith c Recog and Ai Under conce disting workin mater PO1 2 3 2 3 2 2 2	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3	ace and PO4	POS	PO6 sical an delast dutim uction a six and a cources a cources a cources a cource a	PO7 d meetoomers of fue atteria ic meetoing m pond meetoomers of pond meetoomers	PO8	PO9	PO10	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	
		CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	PO1 Able to & Fabrica and Art working matter workin matter working working wo	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 in about of polyning poly ecific chord coal but of cleaners to the cleaners to the cleaners to th	PO4	POS	PO6 sical an delast cuction a delast dutima and delast dutima and delast cuction a delast dutima and delast cuction a delast dutima and delast dutima and delast cuction a delast dutima and del	d meedomers of fue atterial ic meedomers lillinessing m poor poor poor poor poor poor poor poo	PO8	PO9	perties, tions of calorification	PO11	PO12 1 1 1 1 1 1 1 1 1 1 1 1	PSO1	ion, PSO2

					ACIDED	יטע זירי	IVATAD	DI INICT	ידוידר	OF 7	CLINY	21.00				
							INFORM					JLUGY				
							R16 CC									
		CO1	Under	stand t	ne basic	termin	ology us				ots					
	İ	CO2	_									s & OF	iects			
	ن ت		 				ous mei									
	gno.	соз					PS featu		e Poly	morph	nism 8	Inheri	tance.			
	; thr	CO4	_				ons & po									
	nin	CO5	-				f Templa	ites & E	xcept	ions						
R161215	Object Oriented Programming through C++	CO6	Junder	stand S	TL librar	у.										
161	rogr		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
۳ ا	ad P	C01	1	3	2									1	2	2
	ento	C02	1	2	3	1								-	2	2
	Ori	C03	1	2	2									2	2	2
	ject	C04	1	3	3	1								1	2	2
	o	C05		3	3	3									2	2
		Target	1	2.67	2.67	1.67								1.5	2	2
		CO1	Able t	o Unde	stand T	he cond	epts of	the eco	syste	m						
		CO2					ıral reso				portar	nce				
		соз	Abla ±	o learn	The bic	diversit	of Indi	a and +	ha +h-	oatr t	o biod	liversi+	, and A	nnlycc	servation =	ractices
													, allu A	hhilicor	servation p	n actices
		CO4	_				tes of th									
	Environmental Studies	CO5	Able t	o Unde	stand S	ocial iss	ues bot	n rural	and u	rban e	enviro	nment				
	Stu	CO6	Able t	o Unde	stand A	bout er	nvironm	ental Ir	npact	asses	sment	and Ev	/aluatet	he stag	es involved	in EIA
1212	nta		-													
R161212	mer		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
"	iron			FUZ				F00		FU8		F010	FUII		F301	F302
	Env	C01	H	-	-	-	-	-	3	-	-	-	-	3	-	-
		C02	1	-	3	-	-	-	3	-	-	-	-	3	-	-
		C04	H :	-	3	-	-	-	3	-	-	-	-	3	-	-
		C05	-	-	3	-	-	-	3	-	-	-	-	3	-	-
		C06	-	-	3	-	-	-	3	-	-	-	-	3	-	-
		Target			3				3					3		
		l.co.	I	doreton	d +b = ==	naonta	of force	and fri	otion	diron	lion o	ad ita a	nalionti			
		CO1	 				of force									
		CO2	1		a tne ap angle fo		iii or trei	e boay	uiagra	11115, S	oiutio	ii to pro	oniems	using gi	aphical me	LIIUUS
		соз	 				of centr	oid and	Cent	re of a	ravity	<i>'</i> .				
		CO4	_										t of ine	rtia incl	uding transf	er
	S	COL	1												locity and	
	han	CO5	accele	ration o	omputa	ition an	d metho	ods of r	epres	enting	plane	e motio	n.			
16	Mec	CO6	To und	derstan	d the co	ncepts	of work	energ	y and	partic	le mo	tion.			-	
R161216	ing															
R.	neering Mechanics		PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Engin	C01	3	2	-	-	-	-	-	-	-	-	-	2	-	-
	ш	C02	3	2	1	-	-	-	-	-	-	-	-	2	-	-
		C03	3	2	-	-	-	-	-	-	-	-	-	2	ū	-
		C04	3	2	1	-	-	-	-	-	-	-	-	2	-	-
		C05	3	2	1	-	-	-	-	-	-	-	-	2	-	-
		Target	3	2	1	-	-	-	Ė	-	-	-	- -	2	-	-
			Ť	<u> </u>	<u> </u>											
	2	CO1	_				al ions p			erent	soluti	ons (L5)			
	nist	CO2	Analys	se the q	uality p	aramete	ers of wa	ater (L4	1)							
	.her	соз	Deter	mine th	e streng	th of di	fferent	solution	ns by i	using	differe	nt inst	rument	ation te	chniques (L	5)
7	Applied / Engineering Chemistry Laboratory		<u> </u>							-					•	
R161227	ingineering Laboratory															
R16	ngin abo		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	/Er	C01	-	3	2	-	-	-	-	1	2	-	-	2	-	-
	led	C02	·	2	3	-	-	-	-	1	3	-	-	1	-	-
	Арр	C03	Ŀ	1	2	-	-	-	-	1	2	-	-	1	-	-
\vdash		Target		2	2.33	<u> </u>		<u> </u>		1	2.3		l	1.33		l

					/A SIDED	IDV VEN	NKATAD	DI INICT	ITLITE	OE TI	ECHNI	n ocy				
							INFOR					JLUGI				
						0.		D-PO M								
		CO1					eading t	exts aft	er sel	ecting			d useful	points	and paraph	rase
	7		_				uitable s entation						slides	with rele	evant graph	nical
	-ap	CO2	eleme	nts (L3)												
	S .	CO3	_				tter to s					ns and I	anguag	ge strate	gies (L3)	
	S	COS					make p					t Repor	ts (L2)			
221	atio		•		·											
R161221	English - Communication Skills Lab – 2		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO
	E O	C01	-	-	-	-	-	-	-	-	2	3	-	1	-	-
	÷	C02	-	-	-	-	-	-	-	-	2	3	-	1	-	-
	glis	C03	-	-	-	-	-	-	-	-	2	3	-	1	-	<u> </u>
	ū	C04	·	-	-	-	-	-	-	-	2	3	-	1	-	-
		C05 Target	ļ ·	-	-	-	-	-	-	-	2	3	-	1	-	-
		ranget		l					l							
	n 8	CO1	_				em solv	_				C++.				
	E	CO2					heritan				ons.					
	grar	соз	Apply	excepti	ons and	standa	rd temp	nate lib	raries							
R161229	Object Oriented Programming Lab		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
R1	ient	C01	1	2	2	2	-	-	-	-	-	-	-	2	2	-
	Ď	C02	1	2	2	2	-	-	-	-	-	-	-	2	2	-
	ojec	C03	-	2	2	2	-	-	-	-	-	-	-	2	2	-
	ō	Target	1	2	2	2								2	2	
		CO1	-				rs and Li		rogra	mmin	ıg.					
		CO3	-				n of stat	-		ıta set	ts					
	50	CO4	+				sults gra									
	Ë	COS	 				tributio									
	ram	CO6			linear r			ii iulicti	0113.							
51	rog	-	15		· ·····ca· ·											
R1621051	Statistics with R Programming		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Œ	CS W	C01	2	3	-	-	-	-	-	-	-	-	2	2	_	_
	tisti	C02	2	3	2	-	-	-	-	-	-	-	2	2	2	1
	Sta	C03	2	3	3	-	-	-	-	-	-	-	2	2	3	2
		C04	2	3	3	2	-	-	-	-	2	2	2	2	3	2
		C05	2	3	3	2	-	-	-	-	2	2	2	2	2	2
		Target	2	3	2.8	2					2	2	2	2	2.4	1.8
		CO1	Define	the fu	ndamen	tal disc	rete ma	themat	ical st	ructui	res.					
		CO2					lve a va									
	6	соз	_				ncepts a									
	ions	CO4	_												ory in the co	ntext o
R1621052	ndat	COS	Expos	ure of G	rapns, t	neir re	presenta	ations, a	ana sc	lving	proble	ems usi	ng Gra	on Theo	ry.	
.62	ematical Foundati ComputerScience		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2	끍호	C01	2	-	-	-	-	-	1	-	-	-	-	-	2	1
R	<u>.</u>		—	3	2	-	-	-	-	-	2	-	-	-	2	2
R	Con	C02	3)												
R	Mathema	C03	3	2	2	1	-	-	2	-	-	-	-	-	3	3
R1	Mathematical Foundations of ComputerScience	C03	3	2	2	2	-	-	-	-	-	-	-	-	1	-
R1	Mathema	C03	3	2	2		-	- - -		1	- 3 2.5	-	-	-		_

				DF			INFOR	MATIO	N TEC							
				DL	AKTIVIL			D-PO M			001					
		CO1	Under	stand t	he basic	s of Dig	ital elec	tronics	, num	ber sy	stems	and di	gital co	des		
		CO2					to anal									
		соз	Analyz	e the d	esign pr	ocedur	e for dif	ferent o	combi	natio	nal cir	cuits.		-	_	
		CO4	1				onous se						hines			
		-	1							uits u	na sta	te mae	illiics.			
23	ë	CO5	Design	n differe	ent type:	s of reg	isters ar	nd coun	ters.							
10	Des	CO6	Under	stand a	nd desig	gn diffe	rent pro	gramm	able l	ogic d	evices	i.				
R1621053	Digital Logic Design						1									
-	7		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	git	C01	3	-	-	-	-	-	-	-	-	-	-	-	3	1
	Δ	C02	2	2	-	-	-	-	-	-	-	-	-	-	2	1
ı		C03	2	2	3	-	-	-	-	-	-	-	-	-	3	2
		C04	2	2	-	-	-	-	-	-	-	-	-	-	2	1
		C05	2	1	3	-	-	-	-	-	-	-	-	-	2	1
		C06	2	-	2	-	-	-	-	-	-	-	-	2	2	1
		Target	2.17	2	2.67									2	2.33	1.17
		laa.	Ic			£4			:1-1:-		6 41-					
		CO1					easily to						a thra	ah sant	ral statem	onto
		CO2	1		s the use os and co			teu ian	guage	i ioi p	robiei	II SOIVIII	ig till ot	ign com	trol statem	ents
		соз	+					alı arası		inaca	lution					
		LUS	Practi	Le with	uata str	uctures	for qui	k prog	amm	ing so	iution	5.				
		CO4	1		s softwa	re build	ding for	real nee	eds by	brea	king o	ut code	into re	usable	functions a	nd
	pn	L	modu	les.												
24	π ğ	CO5	Ensure	and to	show t	he soft	ware rel	iability	throu	gh ex	eptio	n handl	ing.	•	_	•
10	ä	CO6	Use of	pythor	standa	rd libra	rv for pr	oblem	solvin	g and	Ident	ifies the	neces	sity of to	esting softv	vare.
R1621054	.ogr	<u> </u>	1 3	. ,			, pi			J =/10				., 5. 0		
-	Python Programming															
	ŧ,		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	₹	C01	-	-	3	2	2	-	-	-	2	-	-	-	2	T -
ı		C02	2	2	2	2	2	-	-	-	2	-	-	-	2	-
l		C03	2	2	2	2	3	-	-	-	2	-	-	-	2	-
		C04	2	1	2	2	2	-	-	-	3	2	-	-	1	1
					3	2	3	-	-	-	3	2	-	-	2	1
		C05	-	3		_										
		C05	-	2	2	3	3	-	-	-	2	-	-	-	2	1
			2	2 2	2 2.33	3 2.17	2.5				2.3	2			1.83	1
		C06 Target	- 2 Able to	2 2 o distin	2 2.33 guish be	3 2.17 tween	2.5	ires and	d obje	ct orie	2.3 ented	2 progran				1
		CO6 Target CO1	Able to	2 2 o disting tructure o under	2 2.33 guish be	3 2.17 etween	2.5 procedu	ires and	d obje	ct orie	2.3 ented	2 prograr ucture			1.83	1
		CO6 Target CO1 CO2	Able to data s Able to Able to Able to	2 2 o distinguished tructures o under	2 2.33 guish bees estand an	3 2.17 Atween and implement implemen	2.5 procedu ement S	ires and	d obje	ct orie	2.3 ented ata str	2 program ucture	mming	and imp	1.83	ay
55	++5	CO6 Target CO1 CO2 CO3 CO4	Able to	2 2 o distinguished tructures o under	2 2.33 guish bees estand an	3 2.17 Atween and implement implemen	2.5 procedu ement S	ires and	d obje	ct orie	2.3 ented ata str	2 program ucture	mming	and imp	1.83	ay
21055	ugh C++	CO6 Target CO1 CO2 CO3	Able to Able to Able to Trees.	2 2 o distingurant of under o under o incorp	2 2.33 guish bees esserstand and essertand essertand and essertand e	3 2.17 etween and implement implement at a structure.	2.5 procedu ement S	ires and	d obje	ct orie	2.3 ented ata str	2 program ucture	mming	and imp	1.83	ay
R1621055	s through C++	CO6 Target CO1 CO2 CO3 CO4	Able to Able to Able to Trees.	2 2 o distinguistructure o under o under o incorp	2 2.33 guish bees stand an arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival arrival and arrival and arrival arrival and arrival arrival and arrival	3 2.17 etween ind impl ata stru id apply	2.5 procedu ement S ement I	stack ar inked li nto the	d obje	ct orie	2.3 ented ata str	2 program ucture	mming	and imp	1.83	ay
R1621055	ictures through C++	CO6 Target CO1 CO2 CO3 CO4 COS	Able to data s Able to Able to Trees. Able to	2 2 o distinguistructures o under o under o incorp o imple o illustr	2 2.33 guish bees stand all corate do ment an	3 2.17 etween and implement implement at a structure of apply ous sorr	2.5 procedu ement S ement I uctures i / Graph ting tech	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	ary sea	and imp	1.83	ay B
R1621055	Structures through C++	CO6 Target CO1 CO2 CO3 CO4 COS	Able to Able to Able to Trees.	2 2 o distinguistructure o under o under o incorp	2 2.33 guish bees stand an arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival and arrival arrival and arrival and arrival arrival and arrival arrival and arrival	3 2.17 etween ind impl ata stru id apply	2.5 procedu ement S ement I uctures i	stack ar inked li nto the	d obje	ct orie	2.3 ented ata str acture as such	2 program ucture	mming	and imp	1.83	ay B
R1621055	ata Structures through C++	C06 Target C01 C02 C03 C04 C05 C06	Able to data s Able to data s Able to Trees. Able to Able to data s	2 2 2 2 2 3 3 3 4 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 2.33 guish bees rstand an porate d ment an ate varie	3 2.17 2.17 ttween implicated implicated structure implicated structure implicated imp	2.5 procedu ement S ement I uctures i / Graph ting tech	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	ary sea	and imp	1.83 1.83 1.83 1.83	B PSO2
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06	Able to Able t	2 2 2 2 3 o disting, tructure o under o under o incorp o incorp o incorp o incorp o illustr	2 2.33 guish bees stand an orate d ment an ate varie	3 2.17 etween and implement implemen	2.5 procedulement S ement I uctures i / Graph ting tech PO5 2 2	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	pol1	and imp	1.83 s, AVL, and PSO1 3 3	1 B PSO2 2 3
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06	Able to Able t	2 2 2 o distin, tructurururururururururururururururururu	2 2.33 guish bees estand all corate d ment an ate vario	3 2.17 ttween implicate structure in th	2.5 procedu ement S ement I uctures i / Graph ting tech PO5 2 2 1	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	ary sea	PO12	PSO1 3 3 3 3	1 ay PSO2 2 3 2
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06	Able to data s Able to Trees. Able to Able to Trees. Able to A	2 2 2 o distin	2 2.33 guish be es stand ai ai at an ai at an at	3 2.17 Itween and implement impleme	2.5 procedulement Sement I suctures i v Graph ting tech	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	PO11	PO12 3 2	1.83 s, AVL, and PSO1 3 3 3 3 3	PSO2 2 3 2 3 3 2 3 3
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06	Able to Able t	2 2 2 o distin, tructurururururururururururururururururu	2 2.33 guish bees estand all corate d ment an ate vario	3 2.17 ttween implicate structure in th	2.5 procedu ement S ement I uctures i / Graph ting tech PO5 2 2 1	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	pol1	PO12	PSO1 3 3 3 3	1
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C06 C07 C08 C08 C09 C09 C09 C09 C09 C09	Able to Able t	2 2 2 o distin	2 2.33 guish beess stand ai stand ai poorate d PO3 1 1 2 2 2	3 2.17 2.17 2.17 2.17 2.17 2.17 2.17 2.17	procedulement S seement S y Graph POS 2 1 1 2 2 2	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	PO11	PO12 3 2 2 3	1.83 s, AVL, and PSO1 3 3 3 3 3	PSO2 2 3 3 2 3 3 2 2
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06	Able to data so able to data s	2 2 2 o distin, tructure o under o under o incorp o incorp o incorp o illustr	2 2.33 guish beess stand ai porate d ment ar ate vario PO3 1 1 2 2 2 2	3 2.17 ttween implicate structure in th	2.5 procedulement S ement I inctures i r r pos pos 2 2 2 2 2	stack ar inked li nto the data str	d obje	cct orie	2.3 ented ata str acture as such	program ucture	PO11	PO12 3 2 2 3 3 3	1.83 1.83 1.83 PSO1 3 3 3 3 3 3	B PS02 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 3 2 3
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C06 C07 C08 C08 C09 C09 C09 C09 C09 C09	Able to data s Able to	2 2 2 0 o disting tructured o under o under o under o incorporation o incorpor	2 2.33 guish beess stand an assta	3 2.17 2.17 2.17 2.17 2.17 2.17 2.17 2.17	procedulement I	ures and stack ar inked li inked li into the data strinniques	d obje	cct orie	2.3 ented ented properties	2 program ucture an as bin	PO11 3 3	PO12 3 2 2 3 3 2.6	1.83 s, AVL, and PSO1 3 3 3 3 3 3 3	PSO2 2 3 3 2 3 3 2 2 7
R1621055	Data Structures through C++	CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO5 CO6 CO7 CO8 CO8 CO8 CO9 CO9 CO9 CO9 CO9	Able to data s Able to	2 2 2 0 o disting tructured o under o under o under o incorporation o incorpor	2 2.33 guish beess stand an assta	3 2.17 2.17 2.17 2.17 2.17 2.17 2.17 2.17	procedulement I	ures and stack ar inked li inked li into the data strinniques	d obje	cct orie	2.3 ented ented properties	2 program ucture an as bin	PO11 3 3	PO12 3 2 2 3 3 2.6	1.83 1.83 1.83 PSO1 3 3 3 3 3 3	PSO2 2 3 3 2 3 3 2 2 7
R1621055	Data Structures through C++	CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able to Able t	2 2 2 0 o disting tructure o under o under o under o under o under o incorp	2 2.33 guish beess stand an article stand and article stand and article stand and article stand and article stand and article stand and article stand and article standard artic	3 2.17 2.17	procedulement S ement	res and stack are inked li inked li into the data straniques	d obje	ct orie eue da ta stru catior PO8	2.3 ented ented properties	program ucture and as bin	PO11 3 3 3	PO12 3 2 3 3 2.6	1.83 s, AVL, and PSO1 3 3 3 3 3 3 3	PSO2 2 3 3 2 3 3 2 2 7 3 7 2 . 7 7 ms.
R1621055	Data Structures through C++	CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO5 CO6 CO7 CO8 CO8 CO8 CO9 CO9 CO9 CO9 CO9	Able to data so Able to Able to Trees. Able to	2 2 2 0 o distin, tructurururururururururururururururururu	2 2.33 guish beess stand an action and action and action and action and action and action and action and action and action action and action a	3 2.17 2.17	2.5 procedulement S ement I inctures i inctures i POS 2 2 2 1 2 2 1.83 neering entries	ures and stack arministration of the data string uses PO6	d obje d Que st data appli ructur PO7	PO8	PO9 Post production of the pro	2 ucture n as bin PO10 cocess m create a	PO11 3 3 3 anodels a	PO12 3 2 2 3 3 2.6	PSO1 3 3 3 3 3 7 application	PSO2 2 3 2 2 3 2 2 3 2 2 7 2 7 5 ined
R1621055	Data Structures through C++	CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO5 CO6 CO7 CO8 CO8 CO8 CO9 CO9 CO9 CO9 CO9	Able to data s Able to Trees. Able to Able to Trees. Able to A	2 2 2 0 o distin, tructure o under o under o incorp o incorp o incorp o imple o illustr PO2 2 2 3 3 2 3 2 3 3 rehe basis the known.	2 2.33 guish beess stand an action and action and action and action and action and action and action and action and action action and action a	3 2.17 2.17	2.5 procedulement S ement I inctures i inctures i POS 2 2 2 1 2 2 1.83 neering entries	ures and stack arministration of the data string policy po	d obje d Que st data appli ructur PO7	PO8	PO9 Post production of the pro	2 ucture n as bin PO10 cocess m create a	PO11 3 3 3 anodels a	PO12 3 2 2 3 3 2.6	PSO1 3 3 3 3 7 3 7 3 7 3 7 3 8 3 8 3 9 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PSO2 2 3 2 2 3 2 2 3 2 2 7 2 7 5 ined
R1621055	Data Structures through C++	C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C07 C07 C08 C08 C09 C09 C09 C09 C09 C09	Able to data so Able to Able to Trees. Able to	2 2 2 0 o distin, tructure o under o under o incorp o incorp o incorp o imple o illustr PO2 2 2 3 3 2 3 2 3 3 rehe basis the known.	2 2.33 guish beess stand an action and action and action and action and action and action and action and action and action action and action a	3 2.17 2.17	2.5 procedulement S ement I inctures i inctures i POS 2 2 2 1 2 2 1.83 neering entries	ures and stack arministration of the data string policy po	d obje d Que st data appli ructur PO7	PO8	PO9 Post production of the pro	2 ucture n as bin PO10 cocess m create a	PO11 3 3 3 anodels a	PO12 3 2 2 3 3 2.6	PSO1 3 3 3 3 3 7 application	PSO2 2 3 2 2 3 2 2 3 2 2 7 2 7 5 ined
R1621055		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C07 C07 C08 C08 C09 C09 C09 C09 C09 C09	Able to data s Able to	2 2 2 0 odisting tructure o under o under o under o incorp o imple o illustr PO2 2 3 3 2 2 3 1 2 3 1 1 1 1 1 1 1 1 1 1	2 2.333 guish beess stand an asst	3 2.17 2.17	2.5 procedulement S procedulem	res and restack arrivation of the state of t	PO7 Po7	PO8 POSSMethological Possession Possmethological Possession Posses	PO9 es, prods to iques	program ucture n as bin PO10 Pocess m create a and apple	PO11 3 3 3 soodels a	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 3 7 application	PSO2 2 3 2 3 2 2 3 2 2
R1621055		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 Target C01 C01 C02 C03 C04 C05 C06 C07 C08 C08 C09 C09 C09 C09 C09 C09	Able to data s Able to	2 2 2 0 o distin, tructurururururururururururururururururu	2 2.333 guish beess stand an asst	3 2.17 2.17	2.5 procedulement S procedulem	res and restack arrivation of the state of t	PO7 Po7	PO8 POSSMethological Possession Possmethological Possession Posses	PO9 es, prods to iques	program ucture n as bin PO10 Pocess m create a and apple	PO11 3 3 3 soodels a	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 7 application of or a defedder for a	PSO2 2 3 2 3 2 2 3 2 2
		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 Target C01 C01 C02 C03 C04 C05 C06 C06 C07 C07 C07 C07 C07 C07	Able to data s Able to data s Able to data s Able to data s Able to data s Able to data s Able to data s Able to data s Able to data data data data data data data d	2 2 2 o disting tructure o under o under o under o under o incorporate o	2 2.33 guish be ses stand an attention and the stand and t	3 2.17 2.17	2.5 procedulement S procedulem	res and stack are inked li into the data striniques PO6 methodis gatherin, UI de chas m	PO7 PO7 Position of the posi	PO8 POCCESS Perocess Process Process Process	PO9 es, prods to oliques	program ucture n as bin PO10 Pocess m create a and app	PO11 3 3 3 oodels a an SRS obly that	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 7 r application of or a deletedge for a deletedge and	PSO2 2 3 2 3 2 2 3 2 2
R1621		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 Target C01 C01 C02 C03 C04 C05 C06 C07 C08 C08 C09 C09 C09 C09 C09 C09	Able to data s Able to data s Able to data s Able to data s Able to data s Able to data s Able to data s Able to data s Able to data data data data data data data d	2 2 2 o disting tructure o under o under o under o under o incorporate o	2 2.33 guish be ses stand an attention and the stand and t	3 2.17 2.17	2.5 procedulement S procedulem	res and stack are inked li into the data striniques PO6 methodis gatherin, UI de chas m	PO7 PO7 Position of the posi	PO8 POCCESS Perocess Process Process Process	PO9 es, prods to oliques	program ucture n as bin PO10 Pocess m create a and app	PO11 3 3 3 oodels a an SRS obly that	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 7 r application of or a deletedge for a deletedge and	PSO2 2 3 2 3 2 2 3 2 2
		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 Target C01 C01 C02 C03 C04 C05 C06 C06 C07 C07 C07 C07 C07 C07	Able to data so Able to data so Able to data so Able to data so Able to data so Able to data data data data data data data d	2 2 2 0 o distin, tructuru o under o under o incorpo o i	2 2.33 guish beess stand an activation or attention of the standard or attention or	3 2.17 2.17	2.5 procedulement S procedulem	res and stack arminiques PO6 methoots gather arminiques which as many and Co	PO7 PO7 ASE to	POS POS POS POS POS POS POS POS	PO9 es, prids to iques	program ucture n as bin PO10 Pocess m create a and app	PO11 3 3 3 oodels a an SRS obly that	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 7 r application of or a deletedge for a deletedge and	PSO2 2 3 2 3 2 2 3 2 2
		CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to data so Able to data so Able to data so Able to data so Able to data so Able to data data data data data data data d	2 2 2 0 o distin, tructuru o under o under o incorpo o i	2 2.33 guish beess stand an activation or attention of the standard or attention or	3 2.17 2.17	2.5 procedulement S p	res and stack arminiques PO6 methoots gather arminiques which as many and Co	PO7 PO7 ASE to	POS POS POS POS POS POS POS POS	PO9 es, prids to iques	program ucture n as bin PO10 Pocess m create a and app	PO11 3 3 3 oodels a an SRS obly that	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 7 r application of or a deletedge for a deletedge and	PSO2 2 3 2 3 2 2 3 2 2
	Software Engineering Data Structures through C++	CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to data s Able to Trees. Able to Able to Trees. Able to Able to Able to Able to Trees. Able to Able to Able to Able to Trees. Able to Able to Able to Trees. Able to Able to Trees. Able to Trees. Able to Trees.	2 2 2 o o distin, tructuru o under o under o incorp o imple o illustr PO2 2 2 3 3 2 3 2 3 3 2 3 4 be basis the known. rehend mm.	2 2.33 guish beess stand aid porate d d description of the standard of the sta	3 2.17 2.17	2.5 procedulement S ement S / Graph ting tech 2 2 2 1.83 neering suirement re Desig	res and stack arminked li into the data striniques PO6 metho: ts gathe ch as m y and C.	PO7 PO7 ds , pr esign Todula	POS POS POS Position of the position of the	PO9 es, prids to iques roding y pract	2 program ucture policy policy princip princip princip princip princip	PO11 3 3 3 3 3 solvedels a substitution of the substitution of th	PO12 3 2 3 3 2.6 and their documents the string str	PSO1 3 3 3 3 7 applicationt for a delategies and	PSO2 2 3 2 3 2.7 sined efined
		CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to data so Able to data so Able to data so Able to data so Able to data so Able to data data data data data data data d	2 2 2 0 o distin, tructuru o under o under o incorpo o i	2 2.33 guish beess stand an activation or attention of the standard or attention or	3 2.17 2.17	2.5 procedulement S p	res and stack arminiques PO6 methoots gather arminiques which as many and Co	PO7 PO7 ASE to	POS POS POS Position of the position of the	PO9 es, prids to iques	program ucture n as bin PO10 Pocess m create a and app	PO11 3 3 3 oodels a an SRS obly that	PO12 3 2 3 3 2.6	PSO1 3 3 3 3 7 r application of or a deletedge for a deletedge and	PSO2 2 3 2 3 2.7 sined efined
		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C01 C02 C03	Able to data s Able to data s Able to Trees. Able to Able to Able to Able to Trees. Able to Ab	2 2 2 o o distin, tructure o under o under o incorp o incorp o incorp o incorp o illustr PO2 2 2 3 3 2 3 2 3 3 2 3 4 be basis the known. rehend em.	2 2.33 guish beess stand aid porate d d description of the standard of the sta	3 2.17 2.17 2.17 2.17 2.17 2.17 2.17 2.17	2.5 procedulement S ement I cuctures i f Graph ting tech 2 2 2 1.83 neering irre Desig cepts su cultives companion of the compan	PO6 metho ch as m y and Cr y and Cr PO6	PO7 PO7 PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9	POS POS POS POS POS POS POS POS	PO9 PO9 es, production iques coding practice proposition proposi	program as bin process many princip princip princip princip princip process process princip pr	PO11 3 3 3 3 voidels a	PO12 3 2 3 3 2.6 and their documents the string str	PSO1 a a a a a a a a a a a a a a a a a a a	PSO2 2 3 2 3 2 7 3 2 7 coding
		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02	Able to data s Able to	2 2 2 0 odistin, tructuru o under o under o incorp o imple o illustr PO2 2 3 3 3 2.3 he basis and i ards. he Soft	2 2,333 guish beess stand an article stand and article stand and article stand and article stand and article stand and article stand and article stand and article standard arti	3 2.17 2.17	2.5 procedulement S ement I cuctures i r Graph pos 2 2 1 2 2 1.83 neering cucturement re Design cuctures i cuctures i pos pos pos pos pos pos pos po	PO6 metho ry and Cr els and cr	PO7 PO7 PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9	PO8 Possible Techn rity, c Possible Techn rity, c Possible Techn Possibl	PO9 es, production iques oding y pract	PO10 Poices mand apprincip pr	PO11 3 3 3 3 blue les, Tess Po11 -	PO12 3 2 3 3 2.6 Indicate the second of the	PSO1 a ategies and detection of the control of the	PSO2 2 3 3 2 3 2 7 inns. Fined PSO2 PSO
		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 C01 C01 C02 C03	Able to data s Able to	2 2 2 0 odistin, tructuru o under o under o incorp o imple o illustr PO2 2 3 3 3 2.3 he basic and i ards. he Soft	2 2,333 guish be ses stand an article stand and article stand and article stand and article stand and article stand and article stand and article standard arti	3 2.17 2.17	2.5 procedulement S ement I I cuctures i r Graph pos 2 2 1 2 2 1.83 neering irre Desig cuctures i cuctures i pos pos pos pos pos pos pos po	PO6 metho ts gathe y and Cr st and cr po6	PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7	POS POS methodological pools by possible pools by possible pools by possible pools by pools	PO9 PO9 es, production iques production iques	program as bin process mand appropriate princip princip process mand appropriate princip princ	PO11 3 3 3 3 Poolels a	PO12 3 2 3 3 2.6 Rowledge of the street of	PSO1 a ategies and detection of the control of the	PSO2 2 3 2 3 2.7 Sinned efined efined
		C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03	Able to data s Able to the Abl	2 2 2 0 odistin, tructurururururururururururururururururu	2 2,333 guish be ses stand an ass	3 2.17 2.17	procedule ement I cuctures i cuct	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 PO7 PO8 PO8 PO7 PO8 PO7 PO8 PO7 PO8 PO7 PO7	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 es, prodds to iques oding process proces	program as bin princip princip princip Et	PO11 3 3 3 4 PO11	PO12 3 2 3 3 2.6 innd thei documer	PSO1 a ategies and detection of the control of the	PSO2 2 3 3 2 3 2 3 2 7 ins.
		C06 Target C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 Target C01 C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04	Able to data s Able to	2 2 2 0 odistin, tructuru o under o under o incorp o imple o illustr PO2 1 2 2 3 3 2 . 3 3 2 . 3 he basis and i i arrds. he Soft	2 2,333 guish be ses stand an article stand and article stand and article stand and article stand and article stand and article stand and article standard arti	3 2.17 2.17	procedule ement I cuctures i cuct	PO6 metho ch as m y and C. PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO	PO7 PO7 PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 es, production iques production iques	PO10 PO10	PO11 3 3 3 3 Podels a	PO12 3 2 3 3 2.6 innd thei documer	PSO1 a a a a a a a a a a a a a a a a a a a	PSO2 2 3 3 2 3 2 2 7 7 7 7 7 7 7 7

\vdash							INFOR					DLOGY				
				DE	PAKIME	INI OF		MATIOI D-PO M	_	_	UGY					
		CO1	1				a struct									
		CO3					d Queue st and its				na its a	аррисат	tions			
		CO4					structu		audiis	,						
	ą	CO5	1				ta struct		nd its	applic	ations					
057	Data Structures through C++Lab	CO6	Able t	o imple	ment va	rious so	orting te	chniqu	es.							
R1621057	Sh C		PO1	PO2	PO3	PO4	PO5	DO6	DO7	DU8	DO0	PO10	DO11	PO12	PSO1	PSO2
22	ron	C01	3	1	1	1	2	1.00	,	. 00	. 03	1010	1011	3	3	2
	es th	C02	3	2	1	1	2							2	3	3
	ctur	C03	3	2			1						3		3	2
	Stru	CO4 CO5	2	3	2	3	2						,	2	3	3
	ata	CO6	3	3	2	3	2						3	3	3	3
		Target	2.8	2.3	1.6	2.2	1.8						3	2.6	3	2.5
			I.a													
		CO1	1				an easil						throug	rh contr	ol statomo	ntc
		CO2	1		os and co			eu iang	uage	ioi pi	obieiii	SUIVIII	s tili ou	gii conti	ol stateme	111.5
		соз	_				ck prog	ammir	ıg solu	itions						
		CO4			softwar	e buildi	ing for r	eal nee	ds by	break	ing ou	t code	into reu	ısable fu	unctions an	d
	ap	COS	Produ		vare rol:	iahili+v +	through	evcent	ion h	ndlin	a					
	ing L															
	Python Programming Lab	CO6	Use of	pythor	standa	rd libra	ry for pr	oblem	solvin	g and	Ident	ifies the	e neces	sity of te	esting softv	vare.
	ogra															
	n Pre		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	,tho	C01	-	-	3	2	2	-	-	-	2	-	-		2	-
	€.	C02	2	2	2	2	2	-	-	-	2	-	-	-	2	-
		C03	2	2	2	2	3	-	-	-	2		-	-	2	-
		C04	2	1	2	2	2	-	-	-	3	2	-	-	1	1
		C05	H	3	3 2	3	3	-	-	-	2	-	-	-	2	1
		Target	2	2	2.33	2.17	2.5				2.3	2			1.83	1
i i								$\overline{}$	_	<u> </u>			'			'
								2-	• ,							
!									_							
			Ι													
		CO1	Under	stand, 1	ransfor	m and a	analyze :			y learr	ning o	utput p	rimitive	!S		
		-					analyze :	ZD Obje	ects by						iques	
		CO1						ZD Obje	ects by						iques	
		-	Repre	sent 3D	Object rams in	represe	analyze :	2D Obje	ects by	arnin	g vario	ous visu	alizatio	n techn	iques hics 2D/3D	
		CO2	Repre	sent 3D	Object rams in	represe	analyze :	2D Obje	ects by	arnin	g vario	ous visu	alizatio	n techn		
		CO2	Representation Development And And Performed P	sent 3D op prog nimatio rm Renc	Object rams in n dering of	represe OPENG	entation	2D Obje model:	s by le	earning	g vario	ous visu	alizatio	n techn er Grapl		and
.051	ohics	CO2 CO3	Representation Development And Air Perfor drawing	sent 3D op prog nimatio rm Reno ng shad	Object rams in n dering of ows	OPENG F 2D/3D	entation L by usin	model:	s by le	earning ons fo about	g vario	ous visu acy in C	alizatio Compute	n techn er Grapl	hics 2D/3D echniques a	
		CO2	Repre Develor and Al Perfor drawin	sent 3D op prog nimatio rm Reno ng shad	Object rams in n dering of ows	OPENG F 2D/3D	entation L by usin	model:	s by le	earning ons fo about	g vario	ous visu acy in C	alizatio Compute	n techn er Grapl	hics 2D/3D	
R1622051		CO2 CO3	Repre Develor and Al Perfor drawii Desigr Fracta	sent 3D op prog nimatio rm Renc ng shad n compl	Object rams in n dering of ows	OPENG F 2D/3D	entation L by usin Objects	models models s by lea	s by le	earning ons fo about g Itera	g varion r effica shadi	ous visu acy in C ng, text unction	alizatio Compute	n techn er Grapl	hics 2D/3D echniques a	
		CO2 CO3 CO4 CO5	Repre Develor and Al Perfor drawii Desigr Fracta	sent 3D op prog nimatio rm Renc ng shad n compl	Object rams in n dering of ows	OPENG F 2D/3D	entation L by usin	models models s by lea	s by le	earning ons fo about g Itera	g varion r effica shadi	ous visu acy in C ng, text unction	alizatio Compute	n techn er Grapl	hics 2D/3D echniques a	
	Computer Graphics	CO2 CO3 CO4 CO5	Repre Develor and Air Perfor drawiii Desigr Fracta Apply	sent 3D op prog nimatio rm Renc ng shad n compl ils 3D Solii	Object rams in n dering of ows icated R	represe OPENG f 2D/3D leal Wo etric Te	entation L by usin Objects rld Scen	model: model: s by lea es by le s for re	s by lefunction	earning	g varion r effica shadi ated F	ous visu acy in C ng, text unction jects	compute ture ma	er Graph	nics 2D/3D echniques a nplementin	g
		CO2 CO3 CO4 CO5 CO6	Repre Develor and Ar Perfor drawin Design Fracta Apply	sent 3D op prog nimatio rm Renc ng shad n compl	Object rams in n dering of ows icated R d Geome	OPENG f 2D/3D eal Wo etric Te	entation L by usin Objects	models models s by lea	s by lefunction	earning	g varion r effica shadi	ng, textunction	alizatio Compute	er Grapl apping to	echniques a	g PSO2
		CO2 CO3 CO4 CO5 CO6	Repre Develor and Air Perfor drawiii Desigr Fracta Apply	sent 3D op prog nimatio rm Renc ng shad n compl ils 3D Solii	Object rams in n dering of ows icated R	represe OPENG f 2D/3D leal Wo etric Te	entation L by usin Objects rld Scen	model: model: s by lea es by le s for re	s by lefunction	earning	g varion r effica shadi ated F	ous visu acy in C ng, text unction jects	alizatio Compute ture ma	er Graph	echniques an plementin	g
		CO2 CO3 CO4 CO5 CO6	Repre Develor and Ar Perfor drawin Design Fracta Apply	sent 3D op prog nimatio rm Renc ng shad n compl ils 3D Solii	Object rams in n dering of ows icated R d Geome	OPENG f 2D/3D eal Wo etric Te	entation L by usin Objects rld Scen	model: model: s by lea es by le s for re	s by lefunction	earning	g varion r effica shadi ated F	ng, textunction	alizatio Compute ture ma	er Grapl apping to	echniques a	g PSO2
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4	Repre Develor and Ar Perfor drawin Design Fracta Apply	sent 3D op prog nimatio rm Renc ng shad n compl ils 3D Solii	Object rams in n dering of ows icated R PO3 2 3 3 3	OPENG F 2D/3D Real Wo Retric Te PO4 2 3 3	entation L by usin Objects rld Scen	model: model: s by lea es by le s for re	s by lefunction	earning	g varion r effica shadi ated F	ng, textunction	alizatio Compute ture ma	er Grapl apping to	echniques a pplementin PSO1 1 2 3 3 2	g PSO2
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5	Repre Develor and Al Perfor drawin Design Fracta Apply PO1 1	sent 3D op prog nimatio om Renc ng shad n compl ls 3D Solie PO2	Object rams in n dering of ows icated R PO3 2 3 3 3 3	represe OPENG F 2D/3D Real Wo etric Te PO4 2 3	entation L by usin Objects rld Scen	model: model: s by lea es by le s for re	s by lefunction	earning	g varion r effica shadi ated F	ng, textunction	alizatio Compute ture ma	er Grapl apping to	echniques a pplementin PSO1 1 2 3	g PSO2
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO5 CO6 CO5 CO6 CO6 CO6 CO7 CO7 CO8 CO8 CO9 CO9 CO9 CO9 CO9 CO9	Repre Develand Aid Perfor drawining Fracta Apply PO1 1 1	pp programmer and pro	Object rams in n dering of ows icated R PO3 2 3 3 3 3 3	OPENG OPENG T 2D/3D teal Wo teal Wo PO4 2 3 3 3	entation L by usin Objects rld Scen	model: model: by lea es by lea s for re	s by lefunction	earning	g varion r effica shadi ated F	pous visus v	alizatio Compute ture ma	pping to	PSO1 1 2 3 2 3	PSO2 1
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5	Repre Develor and Al Perfor drawin Design Fracta Apply PO1 1	sent 3D op prog nimatio om Renc ng shad n compl ls 3D Solie PO2	Object rams in n dering of ows icated R PO3 2 3 3 3 3	OPENG F 2D/3D Real Wo Retric Te PO4 2 3 3	entation L by usin Objects rld Scen	model: model: by lea es by lea s for re	s by lefunction	earning	g varion r effica shadi ated F	ng, textunction	alizatio Compute ture ma	er Grapl apping to	echniques a pplementin PSO1 1 2 3 3 2	g PSO2
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO5 CO6 CO5 CO6 CO6 CO6 CO7 CO7 CO8 CO8 CO9 CO9 CO9 CO9 CO9 CO9	Repre Develand Al Perfordrawin Desigr Fracta Apply PO1 1 1 1 1	pop prognimatio m Rencong shad n compiles 3D Solin PO2	Object rams in n n learing of oows post did Geometric Ge	PO4 PO4 2 3 3 2 2 2.5	entation L by usin Objects rld Scen	model: by lea es by le po6 po6	s by leave the state of the sta	pons fo	g varicon r effica shadii	pous visus v	alizatio Compute ture ma	pping to	PSO1 1 2 3 2 3	PSO2 1
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Repre Develand Al Perfor drawin Design Fracta Apply PO1 1 1 1 1 Able t	pop programme for menor	Object rams in n ows icated R PO3 2 3 3 3 2.8	PO4 PO4 2 3 3 2 2.5	analyze intation L by usin Objects POS Pos Pos ept and	model: models by lea es by le po6	ects by leaves a subject of the subj	pons fo about g Itera nting PO8	g varice r effice shadi	PO10 1 1 1 OOP.	PO11	PO12	PSO1 1 2 3 2 3	PSO2 1
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7	Repre Develand Al Perfor drawin Design Fracta Apply PO1 1 1 1 Able t Able te	pop programme pr	Object rams in n rams in n possible delering of ows icated R PO3 2 3 3 3 2.8 stand th	PO4 PO4 2 3 3 2 2.5 Decorporate and a control of the contro	POS Position of the primitive primi	model: model by lea es by le s for re	ects by leaves a subject of the subj	pons fo about g Itera nting PO8	g varice r effice shadi	PO10 1 1 1 OOP.	PO11	PO12	PSO1 1 2 3 2 3	PSO2 1
		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Repre Develand Al Perfor drawin Design Fracta Apply PO1 1 1 1 Able te Able te	pop programme pr	Object Ob	PO4 2 3 3 2 2.5 De conclusion interface	analyze intation L by usin Objects POS Pos Pos ept and	model model by lea es by lea es by lea es and underly underly es and eption:	PO7 Post	PO8 Pos Princip Per so	g varior r effici	PO10 1 1 1 OOP.	PO11	PO12	PSO1 1 2 3 2 3	PSO2 1
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7	Repre Develand And And And And And And And And And A	pop progonimation m Rencomp shad on complete shades and shades and shades and shades are complete shades and shades are considered and shades are considered as a shade as a shade are considered as a shade as a shade are considered as a shade are considered as a shade are considered as a shade are considered as a shade are considered as a shade are considered as a shade as a shade are considered as a shade a	Object rams in n rams in n learing of description learing of descrip	PO4 2 3 3 2 2.5 ne conc	POS Position and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees, exceeding and primitive cees.	PO6 PO6 Po6 Po6 Po6 Po6 Po6 Po6	PO7 PO7 PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO8 Princip em so	g varice r effic: shadi atted F 3D ob PO9 Po9 Illes of	PO10 1 1 1 OOP.	PO11	PO12	PSO1 1 2 3 2 3	PSO2 1
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4	Repre Develand All Perfor drawin Desigr Fracta Apply PO1 1 1 1 1 Able t Able t Able t Able t	pop proggonimation m Rence (mg shad on complete shad on c	Object rams in n object	PO4 PO4 2 3 3 2 2.5 ne conceptual interface havior enerts are	POS Post and primitivities, except and primitivities, except and for three posts and primitivities, except and primitivities, except and the primitivities of three posts and primitivities.	model: mg apt f by lea es by le s for re PO6 Punderlines and eption: ads and attions	PO7 Problem of the p	pos for about g ltera pos for about g ltera	g varice shadi shadi PO9 PO9 Ples of	PO10 I OOP.	PO11	PO12	PSO1 1 2 3 2 3	PSO2 1
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO5	Repre Develand Al Perfor drawin Desigr Fracta Apply PO1 1 1 1 Able t Able t Able t Able t	pop progonimation m Rence (mg shad on complete list) and shadow of the manual m	Object rams in n	PO4 PO4 2 3 3 2 2.5 ne conceptual interface havior enerts are	entation L by usin Objects rld Scen chnique PO5 primitivities, exc of Thre id applica	model: mg apt f by lea es by le s for re PO6 Punderlines and eption: ads and attions	PO7 Problem of the p	pos for about g ltera pos for about g ltera	g varice shadi shadi PO9 PO9 Ples of	PO10 I I OOP. using O	PO11 OP con	PO12 1	PSO1 1 2 3 2 2.2	PSO2 1
	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO5	Repre Develand Al Perfor drawin Desigr Fracta Apply PO1 1 1 1 Able t Able t Able t Able t	pop proggonimation m Rence (mg shad on complete shad on c	Object rams in n object	PO4 PO4 2 3 3 2 2.5 ne conceptual interface havior enerts are	ept and primitivices, exc of Thre id appliced	model: mg apt f by lea es by le s for re PO6 Punderlines and eption: ads and attions	PO7 Problem of the p	pos for about g Itera nting pos for a for	g varice shadi shadi PO9 PO9 Ples of	PO10 I OOP.	PO11	PO12	PSO1 1 2 3 2 3	PSO2 1
R16220:		CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Repre Develand Al Perfor drawin Desigr Fracta Apply PO1 1 1 1 1 Able t Able t Able t Able t Able t Able t	pop progonimation m Rence (mg shad on complete list) and shadow of the programme of the pro	Object rams in n rams in n learing of d Geome PO3 2 3 3 3 2.8 2.8 stand th atte simple ackages, see the billion of every curuct sim PO3	PO4 2 3 3 3 2 2 2.5 ne concepts are interface ehavior ents are ple GUI	entation L by usin Objects rld Scen chnique PO5 primitivities, exc of Thre id applica	PO6	s by leaves so by	pos for about g Itera nting pos for a for	g variety shadi	PO10 I I OOP. using O	PO11 PO11 PO11 PO11	PO12 PO12 PO12 PO12 PO12	PSO1 2 3 2 2.2 PSO1 3	PSO2 1 1 1 PSO2 2
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO3 CO4	Repre Develand Al Perfor drawin Desigr Fracta Apply PO1 1 1 1 1 Able t Able t Able t Able t Able t	pop progo m Renc	Object rams in n learing of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering	PO4 PO4 2 3 3 2 2.5 Die concept of the position of the	POS POS POS POS POS POS POS POS	modeling apt files by leas	s by lefunction in the present of the problem of th	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	y various g various shadi	PO10 I I PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 PO11	PO12 PO12 2 2 2	PSO1 PSO1 2 2 3 2 2.2	PSO2 1 1 1 1 PSO2 2 2 3
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7	Repre Develand All Perfor Design Fracta Apply PO1 I I I Able t	pop prognimation of management and prognimation of management	Object rams in n rams in n learing of ows icated R PO3 3 3 2.8 stand th atte simple ackages, get the bit oon of evruct sim PO3 3 3 3 3 3 4 5 6 7 8 8 8 8 8 8 8 8 8 8 8 8	PO4 2 2 2.5 De concepts given by the conce	POS POS POS POS POS POS POS POS	PO6	PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	g varietr efficients shadi	PO10 I OOP. using O	PO11 PO11 PO11 PO11	PO12 PO12 2 2 2 2	PSO1 2 2 3 2 2 3 2 2 3 3 3 3 3 3 3	PSO2 1 1 1 PSO2 2 3 3 2
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO1 CO2 CO3 CO4	Repre Develand Al Perfor drawin Desigr Fracta Apply PO1 1 1 1 1 Able t Able t Able t Able t Able t	pop progo m Renc	Object rams in n learing of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering of delering	PO4 PO4 2 3 3 2 2.5 Die concept of the position of the	entation L by usin Objects rld Scene POS Pos or Three d applica POS	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	s by lefunction in the present of the problem of th	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	y various g various shadi	PO10 PO10	PO11 PO11	PO12 PO12 2 2 2	PSO1 PSO1 2 2 3 2 2.2	PSO2 1 1 1 1 PSO2 2 2 3
R16220:	Computer Graphi	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Repre Develand All Perform drawing Perform dra	pop programmation mr Renormal	Object rams in n learner ows learner of the learner of the learner ows learner	PO4 2 2 3 3 3 2 2 2.5 2.5 PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	entation L by usin Objects rld Scene POS Pos or Three d applica POS	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	s by lefunction in the present of the problem of th	PO8 PO8 Princip em so stream Apple rames	y various g various shadii ated F 3D ob PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 PO11	PO12 PO12 2 2 2 2 2	PSO1 2 2 3 2 2 2 PSO1 3 3 3 3 3 3	PSO2 1 1 1 1 1 2 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3 3 3 3 2 3

CO1						/ACIDED	DV VEN	IVATAD	DI INICT	ITLITE	OE TI	ECHNI	ol Ock				
													JLUGI				
								R16 C0)-PO M	ATRIX	(
			1	I													
March Page				_										ad tha .	uaus ta s	vetest essi	ot thou
Marketing arrategies for an online business.		l											risks ai	na the v	vays to p	protect agair	ist them
Marting strategies for an online business			-	 													
Page 100 Page 100			CO4							ments	need	ed to s	succeed	in e-co	mmerce	and the var	ious
POT POZ POS	0		CO5	Discus	s the be	nefits ar	nd trade	offs of	various	e-com	merce	e clicks	and br	icksalte	rnatives		
POT POZ POS	622	5	coc	Under	stand th	ne main t	echnol	ogies bel	nind e-c	omme	erce sy	stems	and ho	w these	techno	logies intera	ct
Marging Marg	R	μ	COB	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Marging Marg		5	C01														
Manage M		ŭ	C02			3	1									2	
Note			C03	2	2											2	
Margaret 2 2 2 3 1 2 3 1 2 3 3 1 2 3 3 1 3 3 3 3 3 3 3			C04			3		2								2	1
									1								
O1				_	_												
			Target	2	2	2.6	1	2	2							1.8	l
			CO1					nputers	with the	eir pro	ocessi	ng uni	ts and a	also per	forman	ce measure	ment of
No. Post P				-	•			1 6 - 22		al d			11				
1982 1982			CO2	Under	stand t	ne tunda	amenta	is of diff	erent a	ddres	sing n	nodes	and ins	tructio	n sets.		
Note		1	соз	Comp	are diffe	erent pr	ocesso	rs and th	ieir inst	ructio	n typ	es and	addres	ssing m	odes re	spectively.	
C02		_	CO4	Analyz	ze the c	oncepts	of inte	rfacing t	he I/O	device	es usir	ng diff	erent ty	pes of	buses.		
C02		atio	COS	Under	stand t	he conc	epts of	memory	/ systen	ns and	l their	mapp	oing fun	ctions.			
C02	054	aniz	CO6	Analyz	ze and c	design p	rocessii	ng unit a	nd mic	ro pro	gram	med c	ontrol	ınit.			
C02	1622	rorg															
C02	_	npute															PSO2
1		Ö		_						_	_						
1				_				-		_	-				-		
1		İ					1	-			-				1		
			C05	-	-	1	-	-	3	2	-	2	2	2	3	1	1
CO1			C06	1	2	3	3	-	2	2	-	2	2	2	1	1	2
CO2			Target	1.8	1.4	2	2		2.33	2		2	2	2.17	2	1.5	2
CO2			COL	Ablo t	o undor	ctand th	an diffo	ront cor	nnlov c	rtom							
No. Post P				_								ng ohir	ect orie	nted ar	nroach		
Activity diagrams. CO5		İ	CO3	_												relationship	ps
POI			CO4				asic bel	navioura	l mode	lling t	hroug	h inte	raction	diagrai	ns, use	case diagra	ms and
Second S		50	CO5	_			ut adva	nced be	haviour	al mo	dellin	g thro	ugh sta	te char	t diagra	ms	
Section Sect	0	usir	CO6			ice archi	itectura	al model	ling of o	compl	ex sys	tems	through	comp	onent a	nd deploym	ent
Section Sect	R1622	esign		diagra	ms					_	_	_					
CO1 Describe syntax and semantics of programming languages. CO2 Comprehendvarious programming language constructs. CO3 Implement Subprograms in various programming languages. CO4 Apply Object oriented programming. CO5 Implement Functional Programming. CO6 Interpret Logical Programming. CO6 Interpret Logical Programming. CO7 CO8 CO8 CO9 CO				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1 Describe syntax and semantics of programming languages. CO2 Comprehendvarious programming language constructs. CO3 Implement Subprograms in various programming languages. CO4 Apply Object oriented programming. CO5 Implement Functional Programming. CO6 Interpret Logical Programming. CO6 Interpret Logical Programming. CO7 CO8 CO8 CO9 CO		ılysi					3		<u> </u>			$ldsymbol{ldsymbol{eta}}$					
CO1 Describe syntax and semantics of programming languages. CO2 Comprehendvarious programming language constructs. CO3 Implement Subprograms in various programming languages. CO4 Apply Object oriented programming. CO5 Implement Functional Programming. CO6 Interpret Logical Programming. CO6 Interpret Logical Programming. CO7 CO8 CO8 CO9 CO		Ans		,	2	3	-			\vdash	\vdash	\vdash					
CO1 Describe syntax and semantics of programming languages. CO2 Comprehendvarious programming language constructs. CO3 Implement Subprograms in various programming languages. CO4 Apply Object oriented programming. CO5 Implement Functional Programming. CO6 Interpret Logical Programming. CO6 Interpret Logical Programming. CO7 CO8 CO8 CO9 CO		nted		_	2	<u> </u>			\vdash	\vdash	\vdash	H					
CO1 Describe syntax and semantics of programming languages. CO2 Comprehendvarious programming language constructs. CO3 Implement Subprograms in various programming languages. CO4 Apply Object oriented programming. CO5 Implement Functional Programming. CO6 Interpret Logical Programming. CO6 Interpret Logical Programming. CO7 CO8 CO8 CO9 CO		Orie		1 3		 		2	 	\vdash	\vdash	\vdash					_
CO1 Describe syntax and semantics of programming languages. CO2 Comprehendvarious programming language constructs. CO3 Implement Subprograms in various programming languages. CO4 Apply Object oriented programming. CO5 Implement Functional Programming. CO6 Interpret Logical Programming. CO6 Interpret Logical Programming. CO7 CO8 CO8 CO9 CO		ect (2		3											
1987 1987 1988 1989 1988 1989		Obj.	Target		2.3		3										2.5
1987 1988 1989			CO1	Descri	be synt	ax and s	emanti	ics of pro	ogramn	ning la	anguai	ges.					
c06 3 3 2 2 - - - - - - 2 2 3				_													
c06 3 3 2 2 - - - - - - 2 2 3		ges									langu	iages.					
c06 3 3 2 2 - - - - - - 2 2 3		gna		_						its.							
c06 3 3 2 2 - - - - - - 2 2 3	99	ng Lan		_													
c06 3 3 2 2 - - - - - - 2 2 3	16220	rammi		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
c06 3 3 2 2 - - - - - - 2 2 3	~	rogi	C01														
c06 3 3 2 2 - - - - - - 2 2 3		of P		_					_	_	\vdash						
c06 3 3 2 2 - - - - - - 2 2 3		es															
c06 3 3 2 2 - - - - - - 2 2 3		l g						-	-	_	-	-	-	-			
		i.E	C05					-	-	-	-	-	-	-			2
Target 2 2 1.83 1.67 2 1.83 2.5		1	C06	I 3	3	1 2	2	-		ı . T	ı . 🗆				1 2	2	I 3
		ļ									بنا	_	-	_			

PROPRIET OF INFORMATION TECHNOLOGY						/ASIRED							DLOGY				
March					DE	PARTME	ENT OF					OGY					
March																	
Milita basis to differentiate how the object-oriented approach differs from the Traditional approach to cytoptems analysis and design.				_												ile process.	
March Color Systems analysis and design. Color Recognize the difference between various object relationships: inheritance, association, whole-part. Color Recognize the difference between various object relationships: inheritance, association, whole-part. Color Construct various UML models (including use case diagrams, class diagrams, interaction diagrams, state chart olagrams, state with olagrams, and implementation-diagrams) using the appropriate notation for officering case studies. Color			C02													1	-1- 4-
			соз	1				ow the d	bject-o	riente	d appr	oach o	differs fr	om the	Traditio	inal approa	ch to
	25		CO4	1					ious obj	ect re	lations	ships: i	nherita	nce, ass	ociation	, whole-pa	rt,
Section 1	R16220	ap	CO5	Constr	uct vari	ous UMI	model	s (includ	-		-		-				
Section 1		guages L		differe	nt case	studies.											
Section 1		ing Lan	C01														
Section 1		ode							_						-		_
Section 1		Σ	C03	1	1		2		_	3	-	-			-	2	1
Section 1		ifie			-	1	-	-	_	-	-			-	-		-
CO1		วั						-	2		-	1			-		
The large of the			Target	1	2.1	2	1.7	2	3	2.3		2	2	2.3		1.75	1 1
The large of the			lco1	Doccri	ho tho i	inctallati	ion nro	cocc of i	21/2 201	dicati	20						
March Col.				-								va ==	aran-				
Second Use of interfaces, threads and exceptions.				_						cute	ше ја	va pro	grams.				
The large The				+													
Total Post		ap		+				u excep	LIUIIS.								
Total Post	<u>α</u>	Jg L;		_				anlic-+									
Total Post	205	Ĕ	LCOP	Create	a simp	ie GUI b	ased a	ppiicatio	л1.								
Total Post	162	Tam		PO1	PO2	PO3	PO4	PO5	POS	POZ	POS	PO9	PO10	PO11	PO12	PSO1	PSO2
Total Post	~	rog	C01	_													
Total Post		va F		_					-	-		-			_		
The largest 1		Ja.					2			L-							_
Target 3 3 3 3 3 3 3 3 3			C04	2	3	3	3	-	-	-	-	-	-	-	2	3	3
Target 3 2 1 1 1 1 1 1 1 1 1			C05	2	3	3	3	-	-	-	-	2	-	2	2	3	2
CO1 Infer the capabilities of both humans and computers from the viewpoint of human information processing.			C06	2	3	3	3	-	-	-	-	2		2	2	3	3
Total Poil Poz Pos P	ļ		Target	3	2	-	-	-	-	-	-	-	-	-	2	3	2
Total Part P	i h		1	_						1							
Pose			CO2	Analyz	e typica	l human	–сотрі	uter inte	and com	iputer	model	s, style	es, and v	/arious	historic I	HCI paradig	
Systems			CO2	Analyz	e typica	l human	–сотрі	uter inte	and com	iputer	model	s, style	es, and v	/arious	historic I	HCI paradig	
The larget 1 1 1 1 1 1 1 1 1			CO2	Analyz	e typica	l human	–compi esign pr	uter inte	and com raction d unive	(HCI) i	model esign p	s, style	es, and v	/arious	historic I	HCI paradig	
COS	31051	tion	CO2 CO3	Analyz apply a Choose analyz	e typica an intera e and im e the us	I human active de	–compo esign pro t HCI de	uter inte ocess an	raction d unive	(HCI) i	model esign p ards a	s, style rincipl nd guid	es, and ves to deduce the desired to desired the desired to desired the desired to desired the desired to desired the desired	arious l	historic I HCI syst	HCI paradig tems.	ms.
COS	R1631051	Interaction	CO2 CO3 CO4 CO5	Analyz apply a Choose analyz system	e typica an intera e and im e the us ns.	Il human active de aplemen er mode	–compi esign pro t HCI de els, user	ocess an esign prii support	raction d unive nciples,	(HCI) i rsal de stand	model esign p ards a zation	s, style orincipl nd guid al issu	es, and verses to defines. es, and	various esigning stakeho	historic I HCI syst	HCI paradig tems. uirements	ms.
COS	R1631051	uter Interaction	CO2 CO3 CO4 CO5	Analyz apply a Choose analyz systen infer ta	e typica an intera e and im e the us ns.	I human active de applemen er mode d dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, , socio-	(HCI) i rsal de stand organi	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradig tems. uirements	ms.
COS	R1631051	mputer Interaction	CO2 CO3 CO4 CO5 CO6	Analyz apply a Choose analyz system infer to	e typica an intera e and im e the us ns.	I human active de applemen er mode d dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, , socio-	(HCI) i rsal de stand organi	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradig tems. uirements	ms. of HCI
COS	R1631051	ו Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1	Analyz apply a Choose analyz system infer to	e typica an intera e and im e the us ns. asks and	I human active de applemen er mode d dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, , socio-	(HCI) irrsal de standard prigani	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradig tems. uirements	of HCI
COS	R1631051	man Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2	Analyz apply a Choose analyz system infer to	e and ime the use the use asks and	l human active de applemen er mode d dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, , socio-	(HCI) irrsal de standard prigani	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradig tems. uirements PSO1 1	ms. of HCI PSO2 1 0
Target 2 1.5 1.5 1.5 2.5 1 1 1 1 1 1 1 1 1	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO1 CO2 CO3	Analyz apply a Choose analyz system infer to	e and ime the use the use asks and	l human active de applemen er mode d dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, , socio-	(HCI) irrsal de standard prigani	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradig tems. uirements PSO1 1 1 1	ms. of HCI PSO2 1 0 0
Target 2 1.5 1.5 0 2.5 0 1 0 0 1 1 1 Target 2 1.5 1.5 0 2.5 0 1 0 0 0 1 1 1 Infer the importance of Unix operating system by learning its history, salient features and using basic utilities. CO2 Use File and Directory related utilities aptly for operations, with a strong understanding on UNIX file system. CO3 Implement various features of Shell for navigation, execution and customization as per requirements. CO4 Create/develop scripts using grep, sed and awk to produce the desired effects in data processing. CO5 Create shell scripts using the syntactic constructs of shell for producing the desired effects. CO6 Use process management features of UNIX for job control at shell level. PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PSO1 PSO2 CO1 1 1 1 1 1 - 1 1 1 1 CO2 - 2 - 2 1 1 1 1 1 CO3 - 3 3 3 3 2 1 3 2 CO4 1 3 3 3 3 2 1 3 3 2 CO5 1 3 3 3 3 2 3 3 2 CO6 2 2 2 2 2 2 2 1 1	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4	Analyz apply a Choose analyz system infer to	e typica an intera e and im e the us ns. asks and PO2	active de nplemen er mode dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, , socio-	puter (HCI)	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradigitems. PSO1 1 1 1 1	PSO2 1 0 0 1 1
CO1	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5	Analyz apply a Choose analyz system infer to	e typica an intera e and im e the us ns. asks and PO2 1 2	I human active de nplemen er mode dialogs	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive enciples, , socio-insystem	puter (HCI)	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	HCI paradig tems. PSO1 1 1 1 1	PSO2 1 0 0 1 1 1
Utilities.	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	Analyz apply a Choose analyz systen infer to	e typical an interaction and imperimental and imperimenta	PO3 PO3 1 1 1	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, socio-lessystem	puter (HCI)	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	PSO1 1 1 1 1 1	PSO2 1 0 0 1 1 1 1 1
Utilities.	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	Analyz apply a Choose analyz systen infer to	e typical an interaction and imperimental and imperimenta	PO3 PO3 1 1 1	esign protesting the HCI december of relevant	uter inte ocess an esign prin support vant HCI	raction d unive nciples, socio-lessystem	puter (HCI)	model esign p ards a zation d on t	s, style principl nd guid al issu ask an	es, and vesto delines. es, and	various various sesigning	historic I HCI syst older req g design	PSO1 1 1 1 1 1	PSO2 1 0 0 1 1 1 1 1
CO2 Implement various features of Shell for navigation, execution and customization as per requirements.	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Analyz apply a choose analyz system infer tr PO1 2 2 2 2 2 2 2 2	e and interce e	plemen er mode didialogs PO3 1 2 1 1 1.5	e-computer that the tension of the t	uter intercocess and session printing and the cocess and the coces	PO6 2 1 2.5	pputer (HCI) il (HCI)	model esign p ards a zation d on t	rinciplomd guide all issues ask an:	es to de es to de lines. And all yes and a	rarious esigning stakehold dialo	HCI systimates the HCI system of the HCI system	PSO1 1 1 1 1 1 1	PSO2 1 0 0 1 1 1 1 1 1 1
CO3	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Analyz apply a	e and interse e and in e the use sasks and e t	plemen er mode didialogs PO3 1 2 1 1 1.5	e-computer that the tension of the t	uter intercocess and session printing and the cocess and the coces	PO6 2 1 2.5	pputer (HCI) il (HCI)	model esign p ards a zation d on t	rinciplomd guide all issues ask an:	es to de es to de lines. And all yes and a	rarious esigning stakehold dialo	HCI systimates the HCI system of the HCI system	PSO1 1 1 1 1 1 1	PSO2 1 0 0 1 1 1 1 1 1 1
CO4 Create/develop scripts using grep, sed and awk to produce the desired effects in data processing. CO5 Create shell scripts using the syntactic constructs of shell for producing the desired effects. CO6 Use process management features of UNIX for job control at shell level. PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PSO1 PSO2 CO1 1 1 1 1 - 1 1 1 1 CO2 - 2 2 1 1 1 1 CO3 - 3 3 3 3 3 2 1 1 3 2 CO4 1 3 3 3 3 3 2 1 1 3 3 2 CO5 1 3 3 3 3 3 2 1 1 3 3 2 CO6 2 2 2 2 2 2 1 1 CO6 2 2 2 2 2 2 3 3 3 3 3 2 3 3 3 3 3 3 3	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1	Analyz apply a apply a apply a apply a choose analyz system infer to a construction of the construction of	e and inter- e and inter- e and inter- e the use the use sasks and PO2 1 1 1 1.5 the importance in the importance	PO3 PO3 1 1 1 1 1 1 1 1 1 1 1 1 1	esign protection of the company of t	uter inter occess an an an an an an an an an an an an an	raction d unive universe system PO6 2 1 1 2.5 ng system	pputer (HCI) in strand description (HCI) in strand descrip	pose production produc	s, styleen system of guiden system of gu	es, and vesto deles to deles to deles to deles to deles to deles es, and vesto es, and vesto es, and vesto es, and vesto esto esto esto esto esto esto esto	rarious esigning esig	HCI sysi	HCI paradigitems. PSO1 1 1 1 1 1 1 1 es and usir	PSO2 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Post Post	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1	Analyz apply a apply a apply a apply a choose analyz system infer to a construction of the construction of	e and inter- e and inter- e and inter- e the use the use sasks and PO2 1 1 1 1.5 the importance in the importance	PO3 PO3 1 1 1 1 1 1 1 1 1 1 1 1 1	esign protection of the company of t	uter inter occess an an an an an an an an an an an an an	raction d unive universe system PO6 2 1 1 2.5 ng system	pputer (HCI) in strand description (HCI) in strand descrip	pose production produc	s, styleen system of guiden system of gu	es, and vesto deles to deles to deles to deles to deles to deles es, and vesto es, and vesto es, and vesto es, and vesto esto esto esto esto esto esto esto	rarious esigning esig	HCI sysi	HCI paradigitems. PSO1 1 1 1 1 1 1 1 es and usir	PSO2 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Post Post	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2	Analyz apply a choose analyz system infer to the system infer to	PO2 PO2 1 1 1 1.5	PO3 PO3 1 1 1 1 1 5 Dirtance	-computersign prin	uter inter occess an an acceptance of the control of the control occurs occurs on the control occurs of the control occurs occurs on the control occurs oc	raction d unive	pputer (HCI) if resal decistands stands or gani	model esign p ards a arzation d on ta	PO9	es to de delines. es, and v PO10 history, and history, it has to the a state of the	PO11	HCI sysi	PSO1 1 1 1 1 1 instance of the stance	PSO2 1 0 0 1 1 1 1 1 ng basic
Pol Pol	R1631051	Human Computer Interaction	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3	Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 1 Infer t utilities Use Fi system Implet	PO2 PO2 1 1 1 1.5 The import of and in the import of an interview.	PO3 PO3 1 1 1 1.5 Dortance	relate	uter interio	raction d unive mciples, , socio- y system PO6 1 1 2 1 1 2.5 ng systes ses aptly	puterrsal de standa standa s base PO7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PO8 PO8 Poeration	PO9 PO9 iring its cution	es, and vees to deleines. PO10 history ith a str	rarious i sesigning sesigning stakeho di dialo politica i sesigning politica i sesigning sesigni	HCI sysi	HCI paradig tems. PSO1 1 1 1 1 1 1 1 per and usir	PSO2 1 0 0 1 1 1 1 1 1 mg basic
Pol Pol	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1	Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 1 Infer t utilities Use Fi system Implet	PO2 PO2 1 1 1 1.5 The import of and in the import of an interview.	PO3 PO3 1 1 1 1.5 Dortance	relate	uter interio	raction d unive mciples, , socio- y system PO6 1 1 2 1 1 2.5 ng systes ses aptly	puterrsal de standa standa s base PO7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PO8 PO8 Poeration	PO9 PO9 iring its cution	es, and vees to deleines. PO10 history ith a str	rarious i sesigning sesigning stakeho di dialo politica i sesigning politica i sesigning sesigni	HCI sysi	HCI paradig tems. PSO1 1 1 1 1 1 1 1 per and usir	PSO2 1 0 0 1 1 1 1 1 1 mg basic
Pol Pol	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1	Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 1 Infer t utilitie Use Fi system Implei Create Create	PO2 1 1 1 1.5 the important of the imp	PO3 1 1 1 1.5 Directory retrieved by scripts us for the population of the populat	recomputer of the total control of the total contro	operati d utilities grep, se syntacti	raction d unive mciples, , socio- system PO6 2 1 2.5 ng syste ses aptly for nav	puterrsal de stand. organi s base PO7 1 1 1 tructs for op	POS Post learn, exe of she	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	es, and vesto delines. es, and alysis ar PO10 history ith a structure and cue and cue and cue produce	rarious is stakehoud dialoud d	HCI sysi	PSO1 1 1 1 1 1 1 per and using a diding on Ut	PSO2 1 0 0 1 1 1 1 1 1 mg basic
CO1 1 1 1 - 1 - - - - - - 1 1 CO2 - 2 - 1 - <td>R1</td> <td>ăU</td> <td>CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1</td> <td>Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 1 Infer t utilitie Use Fi system Implei Create Create</td> <td>PO2 1 1 1 1.5 the important of the imp</td> <td>PO3 1 1 1 1.5 Directory retrieved by scripts us for the population of the populat</td> <td>recomputer of the total control of the total contro</td> <td>operati d utilities grep, se syntacti</td> <td>raction d unive mciples, , socio- system PO6 2 1 2.5 ng syste ses aptly for nav</td> <td>puterrsal de stand. organi s base PO7 1 1 1 tructs for op</td> <td>POS Post learn, exe of she</td> <td>PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9</td> <td>es, and vesto delines. es, and alysis ar PO10 history ith a structure and cue and cue and cue produce</td> <td>rarious is stakehoud dialoud d</td> <td>HCI sysi</td> <td>PSO1 1 1 1 1 1 1 per and using a diding on Ut</td> <td>PSO2 1 0 0 1 1 1 1 1 1 mg basic</td>	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1	Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 1 Infer t utilitie Use Fi system Implei Create Create	PO2 1 1 1 1.5 the important of the imp	PO3 1 1 1 1.5 Directory retrieved by scripts us for the population of the populat	recomputer of the total control of the total contro	operati d utilities grep, se syntacti	raction d unive mciples, , socio- system PO6 2 1 2.5 ng syste ses aptly for nav	puterrsal de stand. organi s base PO7 1 1 1 tructs for op	POS Post learn, exe of she	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	es, and vesto delines. es, and alysis ar PO10 history ith a structure and cue and cue and cue produce	rarious is stakehoud dialoud d	HCI sysi	PSO1 1 1 1 1 1 1 per and using a diding on Ut	PSO2 1 0 0 1 1 1 1 1 1 mg basic
CO2 - 2 - - 1 - - - - - - - 2 2 CO3 - 3 3 3 2 - - - 1 - - 3 2 CO4 1 3 3 3 2 - - - - - - - - 3 2 CO5 1 3 3 3 2 -	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1	Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 2 Infer t utilitie Use Fi system Implei Create Use pri	PO2 1 1 1 1.5 the important value in the im	I human plemen p	-computersign printer the telephone to t	uter inter occess an assign print inter support in the control of	and comraction d unive miciples, , socio- system PO6 1 2 1 2.5 ng syste es aptly for nav	puter (HCI) in standard programmer in standa	PO8 PO8 Position of the posi	PO9 PO9 ing its cution cution cution	es to de es	PO11 , salien rong ur ststomiz ded effe	HCI sysi HCI sysi HCI sysi PO12 PO12 It featur It featur It featur It featur It desired	PSO1 1 1 1 1 1 1 per and using on Ufficiency at a processe effects.	PSO2 1 0 0 1 1 1 1 1 ing basic
C03 - 3 3 2 - - 1 - - 3 2 C04 1 3 3 3 2 - - - - - - - 3 2 C05 1 3 3 3 2 - - - - - - - - 3 2 C06 2 2 2 2 - - - - - - - - - - - 2 1	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Analyz apply a apply a choose analyz system infer tr PO1 2 2 2 2 2 2 2 2 Infer t utilitie Use Fi system Implei Create Use pr	e and interaction in the recommendation in t	I human huma	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	uter inter occess an average property of the p	raction d unive nciples, , socio- system PO6 1 2 1 2.5 ng syste es aptly for nav PO6 PO6	puter (HCI) in resal de setando regani s base PO7 1 1 1 1 rem by for op graning attorner setando regani puter setando regani puter setando regani puter setando regani puter setando regani puter setando regani	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9	es to de delines. es, and vesto delines. es, and alysis arrival alysis arrival alysis arrival and cut and cut are desirror productions shell le	PO11 PO11 PO11 PO11 PO11 PO11	HCI system of the HCI system o	PSO1 per requirements per requirements per requirements per requirements	PSO2 PSO2 PSO2 PSO2 PSO2
CO4 1 3 3 2 - - - - - - - 3 2 CO5 1 3 3 3 2 - - - - - - - - 3 2 CO6 2 2 2 2 - <t< td=""><td>R1</td><td>ăU</td><td>CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6</td><td>Analyz apply a apply a Choose analyz system infer tr 2 2 2 2 2 2 2 2 Create Create Use pr PO1 1</td><td>PO2 1 1 1 1 1 1 1 1 2 Che impediate of the impediate o</td><td>PO3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4</td><td>operation of Shell grep, se syntactatures c</td><td>raction d unive nciples, , socio- system PO6 2 1 2.5 ng syste es aptly for nav PO6 PO6 </td><td>puter (HCI) in result of the standard or</td><td>PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8</td><td>PO9 cution c</td><td>es to de delines. PO10 history ith a str and cu</td><td>PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11</td><td>HCI system of the HCI system o</td><td>PSO1 1 1 1 1 1 1 per and usir</td><td>PSO2 pso2 1 0 1 1 1 1 mg basic NIX file PSO2 1</td></t<>	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6	Analyz apply a apply a Choose analyz system infer tr 2 2 2 2 2 2 2 2 Create Create Use pr PO1 1	PO2 1 1 1 1 1 1 1 1 2 Che impediate of the impediate o	PO3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	operation of Shell grep, se syntactatures c	raction d unive nciples, , socio- system PO6 2 1 2.5 ng syste es aptly for nav PO6 PO6	puter (HCI) in result of the standard or	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 cution c	es to de delines. PO10 history ith a str and cu	PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11	HCI system of the HCI system o	PSO1 1 1 1 1 1 1 per and usir	PSO2 pso2 1 0 1 1 1 1 mg basic NIX file PSO2 1
COS 1 3 3 3 2 -	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO5 CO6 CO6 CO1 CO2	Analyz apply a choose analyz system infer t: PO1 2 2 2 2 2 2 Infer t utilitie Use Fi system Implet Create Use pi PO1 1	PO2 1 1 1 1.5 the import value and the import value are the uses. Per value and intervalue are the uses. Process of the import value are the import value are the import value are the import value are the import value are the import value are the import value are the import value are the import value are the import value are the import value are the import value are the important value are the import value are the import value are the important value are	PO3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	operation of Shell grep, so syntact atures of the status o	raction d unive miciples, , socio- system PO6 2 1 2.5 ng syste es aptly for nav PO6	puterrsal de stand. rsal de stand. propriet l'arrange	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	es, and vesto delines. PO10 history ith a str and custome desir products shell le	PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11	PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO13	PSO1 per requirements ata process effects.	PSO2 In a part of the property of the propert
co6 2 2 2 - - - - - - - - 2 1	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Analyz Analyz Analyz Analyz Choose Analyz System Infer to 2 2 2 2 2 2 2 Infer to Use Fi System Implet Create Use pri PO1 1	PO2 1 1 2 1 1.5 The import is a concess of the important is a concess of the import is a concess of the import is a concess of the import is a concess of the import is a concess of	PO3 1 1 2 1 1.5 The properties of the properti	PO4 PO4 PO4 PO4 PO4 PO4 PO5 PO5	operation of Shell grep, so syntact atures of \$1.00 to \$1	raction d unive nciples, , socio- system PO6 2 1 2.5 ng syste ses aptly for nav Pof UNIX PO6	puter (HCI) in resal de standa. PO7 1 1 1 1 1 PO7 PO7	PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO9 ing its post of troil at the post of troil at	PO10 PO10	PO11 PO11	PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO13	PSO1 1 1 1 1 1 1 1 per and usin ding on Ut per require at a process effects.	PSO2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Target 2 2.7 3 3 2.7 1 1 2.6 2.3	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6	Analyz apply a choose analyz system infer to 2 2 2 2 2 2 2 1 Infer t utilitie Use Fi system Implei Create Use pri PO1 1 1 1	PO2 1 1 2 1 1.5 He imputes. It is a concess of the concess of th	PO3 1 1 2 2 1 1 1 1.5 Difference of the properties of the proper	PO4 PO4 PO4 PO4 PO4 PO4 PO5 PO5	operation of Shell grep, so syntactatures of 1 1 1 2 2 2	raction d unive nciples, , socio- system PO6 2 1 2.5 ng syste ses aptly for nav Pof UNIX PO6	puter (HCI) in resal de standa. PO7 1 1 1 1 1 PO7 PO7	PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO9 ing its post of troil at the post of troil at	PO10 PO10	PO11 PO11	PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO13	PSO1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO2 1 1 2 2 2 2 2
	R1	ăU	CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5	Analyz apply a choose analyz system infer to the system infer to	e and interaction and interact	In human active de plemen er mode di dialogs PO3 1	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO5 PO4 PO5 PO6 PO6 PO7 PO7 PO7 PO7 PO7 PO7	operation of Shell grep, so syntact atures c PPOS 1 1 2 2 2 2 2	raction d unive nciples, , socio- system PO6 1 2 1 2.5 1 2.5 rang syste es aptly PO6	puter (HCI) in real description of the properties of the properti	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 Inglish to the control of the c	es to de delines. es, and vesto delines. es, and alysis ar PO10 history ith a still and cube desire products shell le	rarious l'assigning stakeho d dialo PO11 , salien rong ur ststomiz ed effe ing the vel. PO11	PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO12 PO13	PSO1 1 1 1 1 1 1 1 1 1 1 1 1	PSO2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

<u> </u>							IKATAD					DLOGY				
ı				DEI	PAKIMI	ENI OF	R16 CC				UGY					
		CO1					ation us									
		CO2	_				ation usi					•				
	50	CO3					ise appli e applica						h datak	ase		
	Ë	COS	_				us enter									
23	ram	CO6	_				ierarchy								nniques.	
R1631053	Advanced Java Programming															
R16	ava F		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	ed Je	C01	2	2	2	3	-	-	-	-	-	-	-	2	2	2
	anc	C02	3	3	1	2	-	-	-	-	-	-	-	3	3	3
	Adv	C04	2	2	3	2	-	-	-	-	-	-	-	2	2	2
		C05	3	2	2	3	-	-	-	-	-	-	-	3	2	2
		C06	2	2	2	2	-	-	-	-	-	-	-	2	3	3
		Target	2.3	2.2	2	2.3								2.3	2.3	2.3
li		CO1	To un	derstan	d the ba	sics of	databas	e syste	ms an	d app	licatio	ns.				
		CO2					f databa									
		CO3	1				odel pra						uage)			
	ems	CO4					ormaliza						uge).			
_	Syst	COS	_				ansactio						ontrol.			
R1631054	Data Base Management Systems	CO6	_				ganizati									
163:	šem															
~	anag		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Š	C01	2	-	-	-	-	-	3	-	-	-	-	-	1	-
	Bas	C02	3	2	2	-	-	-	-	-	-	-	-	-	-	2
	ata	C03	3	2	1	-	3	-	-	-	-	-	-	-	2	3
	۵	C04	3	2	1	-	-	-	-	-	-	-	-	-	1	3
		C05	2	-	-	-	-	-	-	-	-	-	-	-	1	-
\vdash		Target	2.33	2	1.33	_	3	_	3	_	_	-	_	-	1.2	2.67
		rarget	2.55		1.55			l				I			1.2	2.07
l		CO1	Comp	rehend	various	concep	ts of op	erating	syste	m						
		CO2	+				Process				Sched	uling Al	gorithr	ns		
		соз	+				gement					- 0	0			
		CO4	+				rency to			oniza	tion pr	roblems				
		COS	_				ds for ha									
		CO6					entatio									
i i		CO7	Infer o	oncept	s of LIN	UX Ope	rating Sy	/stem								
2	sus	CO8	Interp	ret the	concont											
R1631055	yste				concept	ts of An	droid Op	peratin	g Syst	em						
1163	, ge				Сопсер	ts of An	droid Op	peratin	g Syst	em						
Œ			PO1	PO2	РОЗ	PO4	droid Op	PO6	PO7		PO9	PO10	PO11	PO12	PSO1	PSO2
ı I	rat	C01	PO1 2								PO9	PO10	PO11 -	PO12	PSO1	PSO2
	Operating Systems	C01		PO2	PO3	PO4	PO5	PO6	PO7	PO8		PO10 -			3	2
	Operat	C02	2	PO2 3 3	PO3 3	PO4 - 1	PO5	PO6	PO7 -	PO8 - -	-	-	-	1 -	3	2
	Operat	C02	3 3	PO2 3 3 3	PO3 3 3 3	PO4 - 1	PO5 - -	PO6	PO7	PO8	-	-	-	1 -	3 3	3
	Operat	C02 C03	2 3 3 2	PO2 3 3 3 2	PO3 3 3 3 3	PO4 - 1 - 1	PO5	PO6	PO7	PO8	-	-	-	1 -	3 3 3 2	2 3 3 2
	Operat	C02	2 3 3 2 2	PO2 3 3 3 2 2	PO3 3 3 3 3 3	PO4 - 1	PO5 - -	PO6	PO7	PO8	-	-	-	1 -	3 3	3
	Operat	C02 C03 C04 C05	2 3 3 2	PO2 3 3 3 2	PO3 3 3 3 3	PO4 - 1 - 1	PO5	PO6	PO7	PO8	-	-	-	1 -	3 3 3 2 3	2 3 3 2 3
	Operat	C02 C03 C04 C05 C06	2 3 3 2 2 1	PO2 3 3 2 1	PO3 3 3 3 3 1	PO4 - 1 - 1 - 1 -	PO5	PO6	PO7	PO8	-	- - - -	-		3 3 3 2 3 2	2 3 3 2 3 2
	Operat	C02 C03 C04 C05 C06 C07	2 3 3 2 2 1 2	PO2 3 3 2 2 1	PO3 3 3 3 3 1 1	PO4 - 1 - 1 - 1	PO5	PO6	PO7	PO8	-	-	-	1 - - - 1	3 3 3 2 3 2 3	2 3 3 2 3 2 3
	Operat	C02 C03 C04 C05 C06 C07 C08 Target	2 3 3 2 2 1 2 2 2.13	PO2 3 3 3 2 2 1 1 2 2.13	PO3 3 3 3 3 1 1 2.25	PO4 - 1 - 1 1	PO5	PO6	PO7	PO8		-	-	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
	Operat	C02 C03 C04 C05 C06 C07 C08 Target	2 3 3 2 2 1 1 2 2 2.13	PO2 3 3 3 2 1 1 2 2.13	PO3 3 3 3 3 1 1 2.25	PO4 - 1 - 1 1 1 1	PO5	PO6	PO7	PO8		-	-	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
	Operat	C02 C03 C04 C05 C06 C07 C08 Target	2 3 3 2 2 2 1 1 2 2 2 2.13 able to able to	PO2 3 3 3 2 2 1 1 2 2.13	PO3 3 3 3 1 1 2.25 sh the cott to data	PO4 - 1 - 1 1 1 onnectic	PO5	PO6	PO7	PO8	- - - - - -			1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
	Operat	C02 C03 C04 C05 C06 C07 C08 Target C01 C02 C03	2 3 3 2 2 1 1 2 2 2 2.13 able to able to able to	PO2 3 3 3 2 1 1 2 2.13 0 establia o conneco o develo	PO3 3 3 3 3 1 1 2.25 sh the control of the	PO4 1 1 1 1 1 onnectic abase to ages us	PO5	PO6	PO7	PO8 serve			- - - - - -	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
	Operat	C02 C03 C04 C05 C06 C07 C08 Target	2 3 3 2 2 1 1 2 2 2 2.13 able to able to able to	PO2 3 3 3 2 1 1 2 2.13 0 establia o conneco o develo	PO3 3 3 3 3 1 1 2.25 sh the control of the	PO4 1 1 1 1 1 onnectic abase to ages us	PO5 mon between manipu	PO6	PO7	PO8 serve			- - - - - -	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
	Operat	C02 C03 C04 C05 C06 C07 C08 Target C01 C02 C03	3 3 2 2 1 2 2 1 2 2.13 able to able to able to	PO2 3 3 2 2 1 1 2 2.13 0 establia connecto develo	PO3 3 3 3 3 1 1 1 2.25 sh the control to data p web p	PO4 1 1 1 1 1 1 onnection abase to ages using tracking trac	PO5	PO6	PO7	PO8 serve			- - - - - -	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
	Operat	C02 C03 C04 C05 C06 C07 C08 Target C01 C02 C03 C04	3 3 2 2 1 2 2 1 2 2.13 able to able to able to	902 3 3 3 2 2 1 1 2 2.13 0 establio o conneco o develo	PO3 3 3 3 3 1 1 1 2.25 sh the control to data p web p	PO4 1 1 1 1 1 1 1 abase to ages us in trackir	PO5	PO6	PO7	PO8 serve			- - - - - -	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
		C02 C03 C04 C05 C06 C07 C08 Target C01 C02 C03 C04 C05 C06	3 3 2 2 1 2 2 1 2 2.13 able to able to able to	902 3 3 3 2 2 1 1 2 2.13 0 establio o conneco o develo	PO3 3 3 3 1 1 1 2.25 sh the control of the point	PO4 1 1 1 1 1 1 1 abase to ages us in trackir	PO5	PO6	PO7	PO8 serve			- - - - - -	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
R1		C02 C03 C04 C05 C06 C07 C08 Target C01 C02 C03 C04 C05 C06	3 3 2 2 1 2 2 1 2 2.13 able to able to able to	902 3 3 3 2 2 1 1 2 2.13 0 establio o conneco o develo	PO3 3 3 3 1 1 1 2.25 sh the control of the point	PO4 1 1 1 1 1 1 1 abase to ages us in trackir	PO5	PO6	PO7	PO8 serve			- - - - - -	1 1 2	3 3 3 2 3 2 3 2.71	2 3 3 2 3 2 3 2 3 2.57
R1	Advanced Operat	C02 C03 C04 C05 C06 C07 C08 Target C01 C02 C03 C04 C05 C06 C06	2 3 3 2 2 1 2 2 2 2 2.13 able to able to able to able to	PO2 3 3 2 2 1 1 2 2.13 0 establii perform develo develo develo	PO3 3 3 3 3 1 1 1 2.25 sh the cut to data p web p p on session p simple p enterp.	PO4 1 1 1 1 1 1 1 1 1 1 2 Indicate the point of the point	POS	PO6	PO7	PO8 servee r side			- - - - - - - - - - - - - - - - - -	1 1 1 2 1.33	3 3 2 3 2.71 2.71	2 3 3 2 3 2 3 2.57 2.57
R1		CO2 CO3 CO4 CO5 CO6 CO7 CO8 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO8 CO6 CO7 CO8 CO7 CO8 CO7 CO8 CO7 CO8 CO1 CO2 CO3 CO4 CO5 CO6 CO6	2 3 3 2 2 1 1 2 2 2.13 able to able to able to able to	PO2 3 3 2 2 1 1 2 2.13 0 establit o connecco develo perform o develo PO2 2	PO3 3 3 3 3 3 1 1 1 1 2.25 ssh the cct to dat p web p p session	PO4 1 1 1 1 1 1 1 1 1 Ponnectic dabase to ages us in tracking the prise because the prise be	POS	PO6	PO7	PO8 servee r side emention PO8				1	3 3 2 3 2.71 2.71 2.71	2 3 3 2 3 2.57 2.57
R1		CO2 CO3 CO4 CO5 CO6 CO7 CO8 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO8 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2	2 3 3 2 2 1 2 2 2 2 2.13 able to able to able to able to 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO2 3 3 2 2 1 1 2 2.13 0 establil perform develo develo PO2 2 2	PO3 3 3 3 3 3 1 1 1 1 2.25 ssh the cct to dat p web p p enterg PO3 1 2	PO4 1 1 1 1 1 1 1 1 1 POP POP POP POP POP POP POP POP POP PO	POS	PO6	PO7	PO8				1	3 3 2 3 2 3 2.71 2.71 PSO1 2 2	2 3 3 2 3 2.57 2.57 PSO2
R1		CO2 CO3 CO4 CO5 CO6 CO7 CO8 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO8 CO7 CO8 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3	2 3 3 2 2 1 1 2 2 2.13 able to able to able to able to	PO2 3 3 3 2 2 1 1 2 2.13 0 establil o connecco develo perform o develo PO2 2 1 1 1 2 2 1 1 1 2 2 1 1	PO3 3 3 3 3 3 1 1 1 1 2.25 ssh the cct to dat p web p p enterg PO3 1 2 -	PO4 1 1 1 1 1 1 1 1 1 Ponnectic dabase to ages us in tracking the prise because the prise be	POS	PO6	PO7	PO8 servee r side emention PO8				1	3 3 3 2 3 2 3 2.71 2.71 PSO1 2 2 2	2 3 3 2 3 2.57 2.57 2.57 2.57
R1		CO2 CO3 CO4 CO5 CO6 CO7 CO8 Target CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO8 CO7 CO8 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4	2 3 3 2 2 1 2 2 2 2.13 able to able to able to 2 able to 2	PO2 3 3 3 2 2 1 1 2 2.13 0 establil o connecto develo perform o develo PO2 2 1 2	PO3 3 3 3 3 3 1 1 1 1 2.25 sish the circ to data p web p p n session p simple p enterp PO3 1 2	PO4 1 1 1 1 1 1 1 1 1 1 POA PO4 PO4	POS	PO6	PO7	PO8		or or or or or or or or or or or or or o		1	3 3 2 3 2 3 2.71 2.71 PSO1 2 2	2 3 3 2 3 2.57 2.57 2.57 2.57
R1		CO2 CO3 CO4 CO5 CO6 CO7 CO8 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	2 3 3 2 2 1 1 2 2 2.13 able to able to able to 2 able to 2	PO2 3 3 3 2 2 1 1 1 2 2.13 0 establil 0 connecco 0 develo 0 develo PO2 2 1 1 2 -	PO3 3 3 3 3 3 1 1 1 2.25 ssh the cct to dat p web p p n session p simple p enterp PO3 1 2 - 1	PO4 1 1 1 1 1 1 1 1 1 1 POMP PO4 PO4 PO4 PO4	POS	PO6	PO7	PO8		or or or or or or or or or or or or or o		1	3 3 3 2 3 2 3 2.71 2.71 PSO1 2 2 2 2 -	2 3 3 2 3 2.57 2.57 2.57 2.57
RI		CO2 CO3 CO4 CO5 CO6 CO7 CO8 Target CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO8 CO7 CO8 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4	2 3 3 2 2 1 2 2 2 2.13 able to able to able to 2 able to 2	PO2 3 3 3 2 2 1 1 2 2.13 0 establil o connecto develo perform o develo PO2 2 1 2	PO3 3 3 3 3 3 1 1 1 1 2.25 sish the circ to data p web p p n session p simple p enterp PO3 1 2	PO4 1 1 1 1 1 1 1 1 1 1 POA PO4 PO4	POS	PO6	PO7	PO8		or or or or or or or or or or or or or o		1	3 3 3 2 3 2 3 2.71 2.71 PSO1 2 2 2	2 3 3 2 3 2.57 2.57 2.57 2.57

					/ASIRED							DLOGY				
				DEI	PARTME	ENT OF	R16 CO	MATIOI D-PO M			OGY					
		CO1	Simula	tion of C	PU Sche	duling a	algorithn	ns(FCFS	, Rour	ıd Rob	in, SJF	, Priorit	y) (Anal	yze)		
		CO2	Implen	nentatio	n of diff	erent fil	e and m	emory i	manag	emen	t syste	m calls.				
			(Analy	ze)				-	-		-					
		соз	Ť i		Pankar's	and nac	ge replac	ement	algorit	hmcl	\nalvz	2)				
		CO4														
		COS	To und	erstand	basic sy	stem er	nvironme	ent of LI	NUX c	perati	ing sys	tem.(Ui	ndersta	nd)		
22		1003				mands	using gre	ep, sed,	awk a	nd oth	ner dat	a proce	ssing u	tilities th	at perform	desired
R1631057		CO6		Implem												
L 1	٩	-	Write s	hell scri	pts that	support	t the OS	Admini	stratio	n (Co	nstruc	t)				
	Unix and Operating Systems Lab		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	/ster	C01	3	2	2	-	-	-	-	-	-	-	-	-	2	3
	ng S	C02	2		2	-	-	-	-	-	-	-	-	-	-	-
	ratir	C03		1	-	-	-	-	-	-	-	-	-	-	2	-
	obe	C04	2	1	3	-	-	-	-	-	-	-	-	-	-	3
	and	C05	2	-	-	-	-	-	-	-	-	-	-	-	2	-
	ž	C06	Ŀ	2	2	-	-	-	-	-	-	-	-	-	-	2
		Target	2.1	2	2.1	<u> </u>		<u> </u>	l						2	2
		CO1	To cre	ate dat	abase fo	r user l	Creatio	n of Da	tabası	2)						
	ab.	CO2					for use									
	Ë	соз			PL/ SQL	•										
	Syst	CO4	_				defined	ohiect	ς							
R1631058	Database Management System Lab	-			8	F		,								
1631	gem		PO1	PO2	PO3	PO4	PO5	PO6		200	PO9	DO10	DO44	PO12	DCO4	PSO2
æ	lana			PUZ		P04	PO5		PO7	PO8		PO10	PO11	PO12	PSO1	
	ξ	C01	3	- 2	3	1	-	-	-	-	-	-	-	-	1	3
	apa	C03	2	1	1	-							_			+
							-	-	-	-	-	-	-	- 1	1	-
	Dat	C04	2	-	-	-	-	-	-	-	-	-	-	-	1	-
	Dat	C04 Target	2	- 1.5		- 1	-				-	-	-	-		2.5
	Dat		_		-	1	-	-	-		-	-	-	-	1	-
	Dat	Target	2	1.5	- 1.67		-	3-	2	-	-	-		-	1	-
	Dat		2	1.5	- 1.67		- - CP/IP re	3-	2	-	- - nd Exa	- - mple no		-	1	-
	Dat	Target	2 Able to	1.5 under	- 1.67 stand 09	SI and T		3- eference	2	- lels ar		•	etworks	- - s	1 1.5	-
	Dat	CO1	Able to	1.5 unders	- 1.67 stand Os	SI and T	stics of t	3- eference	2 e mod	- lels ar		•	etworks		1 1.5	-
	Dat	CO1 CO2 CO3	Able to	1.5 unders	1.67	SI and T aracteris	stics of to	3- eference ransmis	2 e mod sion m	- lels ar	and cla	•	etworks		1 1.5	-
	Dat	CO1	Able to	1.5 unders	1.67	SI and T aracteris	stics of t	3- eference ransmis	2 e mod sion m	- lels ar	and cla	•	etworks		1 1.5	-
51		CO1 CO2 CO3	Able to	1.5 unders unders analyze	1.67 stand Ostand characteristics are channel	SI and T practerise and con	stics of to	3- eference ransmis flow of cocols a	2 e mod sion m	lels ar nedia a	and cla	ssify m	etwork: ultiplexi	ng techr	1 1.5	-
532051		CO1 CO2 CO3 CO4	Able to Able to Able to	1.5 unders	1.67 stand Ostand characteristics are channe	SI and T aracteris and con al allocat mpleme	stics of to	3- eference ransmiss flow of cocols a	2 e mod sion m f data	lels ar nedia a E stan	dards	ssify mo	etworks ultiplexi	ng techr	1 1.5	-
R1632051	Networks Dat	CO1 CO2 CO3 CO4 CO5	Able to Able to Able to	1.5 unders	1.67 stand Ostand characteristics are channe	SI and T aracteris and con al allocat mpleme	stics of to atrol the tion prot	3- eference ransmiss flow of cocols a	2 e mod sion m f data	lels ar nedia a E stan	dards	ssify mo	etworks ultiplexi	ng techr	1 1.5	-
R1632051	Networks	CO1 CO2 CO3 CO4 CO5	Able to Able to Able to	1.5 unders	1.67 stand Ostand characteristics are channe	SI and T aracteris and con al allocat mpleme	stics of to atrol the tion prot	3- eference ransmiss flow of cocols a	2 e mocossion m	- edia a	dards	ssify mo	etworks ultiplexi	ng techr	1 1.5	-
R1632051	Networks	CO1	Able to Able to Able to Able to Able to	1.5 unders unders analyze compu	1.67 stand Ostand characteristics are channel ite and inet the us	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	etworks ultiplexi trol alg WW.	ng techr	1 1.5	2.5 PSO2
R1632051		CO1 CO2 CO3 CO4 CO5	Able to Able to Able to Able to Able to Able to	1.5 unders unders analyze compu	1.67 stand Ostand characteristics are channel ite and inet the us	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	etworks ultiplexi trol alg WW.	ng techr	1 1.5 niiques	2.5
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1	Able to Able to Able to Able to Able to	1.5 unders unders analyze compu	1.67 stand Ostand characteristics are channel ite and inet the us	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	etworks ultiplexi trol alg WW.	ng techr	1 1.5	2.5 PSO2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4	Able to Able to Able to Able to Able to Able to Able to	1.5 unders unders o detect analyze computinterpr	1.67 stand OS tand cha e channe te and in	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	etworks ultiplexi trol alg WW.	ng techr	1 1.5 niiques	PSO2 2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	Able to Able to Able to Able to Able to Able to Able to	1.5 unders unders o detect analyze o computinterpr	1.67 1.67	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	pol1	orithms	1	PSO2 2 2 2 2 2 2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to Able to Able to Able to Able to Able to	1.5 o unders unders o detect analyze PO2	1.67 sstand OS errors a errors a possible the us	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	eetwork: trol alg	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	Able to Able to Able to Able to Able to Able to Able to 2 2 3	unders unders unders analyze o compu	1.67 1.67	SI and T aracteris and con el allocat mpleme se of TC	stics of the atrol the tion protent routi P, UDP, I	3- eference ransmis flow of cocols a ng algorithm.	2 e mocossion m	- edia a	dards ongest	issify mu	pol1	orithms	1	PSO2 2 2 2 2 2 2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able to Able to Able to Able to Able to Able to Able to 2 2 2 3 2 2.1	1.5 o unders unders o detect a analyze PO2	1.67 1.67	SI and T aracterist and contac	entrol the tion protein routine, UDP, IDP, IDP, IDP, IDP, IDP, IDP, IDP, I	3-eference flow of cocols a ng algor	2 e mocosion m data	- edia a	dards ongest	issify mu	pol1	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to Able to Able to Able to Able to Able to Able to Able to Able to Left to the total to the total	1.5 o unders unders unders o detect analyze o compuninterpr	1.67 1.67	SI and T aracterist and containing the secon	stics of trivial the strain of	3-eference ransmis flow of cocols a ng algoronn PO6	2 e moco data data data data data data data dat	E stan	dards dards ongest PO9	ssify minimum sistematical statement of the sistematical statement	pol1	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
R1632051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able to Able to Able to Able to Able to Able to Able to Under	1.5 o unders unders o detect o analyze o compu interpr	1.67 1.67	SI and T aracterist and con and con and con and con and all allocates of TC PO4	entrol the tion protein routine, UDP, IDP, IDP, IDP, IDP, IDP, IDP, IDP, I	3-eference ransmiss flow of preparation of preparations and preparation of preparations and preparations are set of the preparation of preparations and preparations are set of the preparation of preparations and preparations are set of the preparation of preparations are set of the preparation of preparations and preparations are set of the preparation of preparations are set of the preparation of preparations are set of the preparation of the pr	2 e moco	edia a E stan and c till serv	PO9	PO10	trol alg	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
K1532051	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to Able to Able to Able to Able to Able to Able to Under	1.5 o unders unders unders o detect a analyze o compute processing the processing process of the	PO3 Po3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SI and T aracteris and comment	estics of trivial the section protection protection protection protection protection protection protection protection protection protection protection protection protection protection protection protection protection pro	3-eference ransmis flow of preport Simil	2 e moco	edia a E stan and c till serv	end cla	PO10 PO10	trol alg	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 Target	Able to Able to Able to Able to Able to Able to Able to Under	1.5 o unders unders unders o detect analyze o compuninterpr	1.67 1.67	PO4 PO4 Point implement in the point in th	estics of tritrol thee tition protein routing protein protein routing protein	3 – eference ransmis flow of occords an angalgon polysano vareho of prep of Similalgorith	PO7	edia a E stan and c till serv	end cla	PO10 PO10	trol alg	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to Able to Able to Able to Able to Able to Able to Under	1.5 o unders unders unders o detect analyze o compuninterpr	1.67 1.67	PO4 PO4 Point implement in the point in th	entroution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein pro	3 – eference ransmis flow of occords an angalgon polysano vareho of prep of Similalgorith	PO7	edia a E stan and c till serv	end cla	PO10 PO10	trol alg	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 Target	Able to Able to Able to Able to Able to Able to Able to Under	1.5 o unders unders unders unders unders o detect analyze o compution interpretable 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.67 1.67	PO4 PO4 PO4 PO4 PO4 PO4 PO5 PO6 PO6 PO7 PO7 PO7 PO7 PO7 PO7	POS Postage a Data V ortance or ortance or other and control of the control of t	3-eference ransmis flow of cocols a ng algorithm PO6	2 e moc	PO8	dards ongest process room population of the process room population of the process room process	PO10 PO10	PO11 2 2 2 2 2 2 mnniques	PO12	PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Computer Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 Target	Able to Able to Able to Able to Able to Able to Able to Under	1.5 o unders unders unders o detect analyze o compuninterpr	1.67 1.67	PO4 PO4 Point implement in the point in th	entroution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein roution protein pro	3 – eference ransmis flow of occords an angalgon polysano vareho of prep of Similalgorith	PO7	edia a E stan and c till serv	dards ongest process room population of the process room population of the process room process	PO10 PO10	trol alg	PO12	1 1.5 1.5 niques PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
	Computer Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to Able to Able to Able to Able to Able to Able to I Able to I Able t	1.5 o unders unders unders unders o detect analyze o computinterpr 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.67 1.67	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS Postage a Data V ortance or ortance or other and control of the control of t	3-eference ransmis flow of cocols a nng algorithm PO6	PO7	PO8 PO8 PO8 PO8	PO9	PO10 PO10	PO11 PO11 PO11 PO11 PO11 PO11	PO12	PSO1 2 2 2 2 2 2	PSO2 2 2 2 2 2 2 2
	Computer Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4	Able to Able t	1.5 o unders unders unders o detect analyze o compution interpretable 2 2 2 2 2 2 2 2 PO2 2 PO2 2 2 2 2 2 2 2	PO3 PO3 PO3 PO3 PO3 PO3	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS POS POS POS POS	3-eference ransmis flow of occols a neg algorithm PO6	PO7	PO8 PO8 PO8 PO8 PO8 PO8	PO9 chnique chnique pro9	PO10 PO10 PO10 PO10 PO10 PO10	PO11 PO11 PO11 PO11 PO11 PO11	PO12 2 2 2	PSO1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO2 2 2 2 2 2 2 2 3 2 3 3
	Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3	Able to Able t	1.5 o unders unders unders o detect analyze o compuninterpr 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 PO3 PO3 PO3 PO3 PO3 PO3 PO3	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS POS POS POS POS POS	3-eference ransmiss flow of cocols a ang algorithm poof prep of Similal algorithm poof prep of 2 2 2	PO7	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 PO11 PO11 PO11 PO11 PO11 PO11	PO12 2 2 2	PSO1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO2 2 2 2 2 2 2 2 3 3 3
R1632052 R1632051	Computer Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4	Able to Able t	1.5 o unders unders unders o detect analyze o compution interpretable 2 2 2 2 2 2 2 2 PO2 2 PO2 2 2 2 2 2 2 2	PO3 PO3 PO3 PO3 PO3 PO3	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS POS POS POS POS	3-eference ransmis flow of occols a neg algorithm PO6	PO7	PO8 PO8 PO8 PO8 PO8 PO8	PO9 chnique chnique pro9	PO10 PO10 PO10 PO10 PO10 PO10	PO11 PO11 PO11 PO11 PO11 PO11	PO12 2 2 2	PSO1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSO2 2 2 2 2 2 2 2 3 2 3 3
R1632051 R1632051	Computer Networks	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able to Able to Able to Able to Able to Able to Able to Able to PO1 Under Under Under Analyz PO1 2 3 2	1.5 o unders unders unders unders o detect analyze o compute o com	PO3 PO3 PO3 PO3 PO3 PO3 PO3 PO3	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS POS POS POS POS POS	3 eference ransmis flow of cocols a ng algor DNS and PO6 Vareho of prep of Simil lagorith gorithr PO6 2 2 3	PO7	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11 PO11	PO12 2 2 2	PSO1 2 2 2 2 1 1 1	PSO2 2 2 2 2 2 2 3

							IKATAD					OLOGY				
_				DE	PARTMI	ENT OF	R16 CC				OGY					
		CO1	Able to	analyze	a weh i	nage an	d identif	v its ele	ment	s and a	attribu	tes				
			ribic to	ununyzo	a web i	ouge un	u luciidii	y its cic		o una c	icciibu	ics.				
			Able to	create	web pag	es using	g JS.									
		CO2					-									
			Able to	build o	dynamic	web pa	ges.									
		CO3	Able to	build w	eb appli	ications	using PH	HP.								
	sə	CO4														
	logi		Able to	create	program	ming th	rough P	ERL and	d Ruby	·.						
	ğ	CO5					Ü		•							
	Web Technologies		Able to	develo	p simple	client										
	×	CO6														
			PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
		C01	2	2	2								2	2	2	2
,		C02	2	3	3								2	2	2	2
550		C04	2	2	2	2					2	2	2	2	2	2
LTD32U33		C05	2	2	2	2					2	2	2	2	2	2
_	1	C06 Target	2	3	2	2					2	2	2	2	2.333	2.16
		rarget		2		<u> </u>	<u> </u>		I		<u> </u>	<u> </u>			2.555	12.10
		CO1													e., Preparin	
	i														ort. (Create	
		CO2			ver the r automat			ire Test	ting A	utoma	ation a	ınd abil	ity to u	se Existi	ng test too	ls to
			зарро	·········	automat	(۶4)	PP-3/.									
									٠.							
		соз					els, crite							oive the	m by desig	ning an
	s	CO4	_	_										th their	teammate	s to
	ogie		condu	ct their	Practice	e-orient	ted softv	ware te	sting	projec	ts.(Ap	ply)				
Ž.	형	COS							ledge	of co	ntemp	orary is	sues in	softwa	re testing,	such as
K 132054	eth						Jndersta									,
_	Σ	CO6													l and identi ng methods	
	stin						ir own P									
	Software Testing Methodologies															
	twar		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8						1 000
-	—								1	1.09	PO9	PO10	PO11	PO12	PSO1	PSU2
- 1	S	C01	2	1	2	-	-	-	-	-	PO9	PO10 -	PO11 -	PO12	2	PSU.
	S	C02		2	2	-	-	-	-	-	1	-	-	-	2	-
	S	C02	1	2	2		-	-			1 1	-	-		2 2 2	
	So	C02		2	2	-	-	-	-	-	1	-	-	-	2	-
	So	C02 C03 C04	1 1	2 2 2	2 2 2	-	-	-	-	-	1 1 2	-	-	-	2 2 2 2	-
	os	C02 C03 C04 C05	1 1 1	2 2 2 2	2 2 2 2	- - -	-		-	-	1 1 2 1	-	-	-	2 2 2 2 2 2	-
	os .	C02 C03 C04 C05 C06	1 1 1 1 -	2 2 2 2 - 1.8	2 2 2 2 2 2 2		- - - 2 2				1 1 2 1 2 1.4	-	-		2 2 2 2 2 2 2 2	2 2
	os .	C02 C03 C04 C05 C06	- 1 1 1 1 - 1.25	2 2 2 2 - 1.8	2 2 2 2 2 2 2 2 c proficio	- - - -	- - - 2 2	onal AI	- - - - -	- - - - -	1 1 2 1 2 1.4 cluding	- - - - -	-		2 2 2 2 2 2 2	2 2
	os	C02 C03 C04 C05 C06 Target	- 1 1 1 1 - 1.25 To have program	2 2 2 2 - 1.8 e a basicional a	2 2 2 2 2 2 2 2 2 c proficion ability		2 2 2 a tradition		langu:		1 1 2 1 2 1.4 cluding	g an abii		rite sim	2 2 2 2 2 2 2 2	2 2 2 mediate
	So	C02 C03 C04 C05 C06 Target	1 1 1 1 1 1 1.25 To have program To imp heurist:	2 2 2 2 - 1.8 e a basic and a rove an ic search	2 2 2 2 2 2 2 2 2 c proficion ability alytical ah technical	ency in / to under	2 2 2 2 a traditic erstand colem solvito impro	onal AI code wr	languaitten ii	age inc	1 1 2 1 2 1.4 cluding langua the cholaying	g an abil		rite sim	2 2 2 2 2 2 2 2 2 ple to interrescent using v	2 2 2 mediate
	So	C02 C03 C04 C05 C06 Target	To have program To imp heurist:	2 2 2 2 1.8 e a basic ms and a rove an ic searcle knowle	2 2 2 2 2 2 2 2 2 2 bright ability allytical a h technic ledge on	ency in to undo	2 2 2 2 a traditic erstand colem solvito impro	onal AI code wr	languaitten ii	age inc	1 1 2 1 2 1.4 cluding langua the cholaying	g an abil		rite sim	2 2 2 2 2 2 2 2 ple to interr	2 2 2 mediate
		C02 C03 C04 C05 C06 Target	To have program To imp heurist: To have such as	2 2 2 2 1.8 e a basic arrove and c search se knowle natural	2 2 2 2 2 2 2 2 2 2 2 c proficient an ability allytical a hetechnic ledge on deduction	ency in / to undo	a traditic erstand co lt to impretional ca matic sy	onal AI code wr ving ski ove des	languaitten ii	age incompand that is sed on grand pritional	1 1 2 1 2 1.4 cluding langua the cholaying and p	g an abi	lity to w	rite sim	2 2 2 2 2 2 2 2 2 2 2 to interrupte to interrupte to interrupte to interrupte tand few sys	2 2 2 mediate
		C02 C03 C04 C05 C06 Target	To have such as	2 2 2 2 1.8 e a basic arrove an ic searcle knowl natural e an under an unde	2 2 2 2 2 2 2 2 2 2 2 be proficion an ability allytical a hetechnic ledge on deduction derivative and deferming the control of	ency in 7 to undo proposion, axio	a traditicerstand colem solval to improviously and camatic sy	onal AI code wr ving ski ove des ilculus, stem, e	langua itten ii	age inc	1 1 2 1 2 1.4 cluding langua the cholaying and p	g an abil	lity to w	rite sim	2 2 2 2 2 2 2 2 2 ple to interrescent using v	2 2 2 mediate various
		C02 C03 C04 C05 C06 Target C01 C02 C03	To have such as program	2 2 2 2 1.8 e a basic arrove an ic searcle knowl natural e an under an under an under searches.	2 2 2 2 2 2 2 2 2 2 2 c proficion an ability allytical a technic ledge on deduction deferstanding and the control of the contr	ency in / to undo and proposion, axio	a traditic erstand c blem solv to impretional ca matic sy the basic i	onal AI code wr ving ski ove des ulculus, stem, e	languuitten ii	age in that sed on a and pritional	1 1 2 1 1 2 1.4 2 1.4 cluding the cholaying and p	g an abiling a game redicate sentation, etc	lity to w	rite sim	2 2 2 2 2 2 2 2 2 2 tand few sy theuristic see	rediate various stems
Account		C02 C03 C04 C05 C06 Target C01 C02 C03	To have such as program To have such as program To have such as program To have such as program To have the such a	2 2 2 2 1.8 e a basic arrove an ic searcle knowl natural e an undans.	2 2 2 2 2 2 2 2 2 2 2 2 be proficional ability alytical a hetechnic ledge on deduction derstandirerstandirerstandirec unders	ency in / to undo proposition, axio	a traditic erstand c blem solv to impretional ca matic sy the basic i	onal AI code wr ving ski ove des alculus, stem, e	languuitten ii ills basigning propo tc.	age inn that	1 1 2 1.4 2 1.4 2 1.4 cluding langua the cholaying and p	g an abiling a game redicate sentation, etc	lity to w	rite sim	2 2 2 2 2 2 2 2 2 2 2 tand few sy theuristic see	rediate various stems
ACC02601		C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C07 C07 C07 C07 C08 C08	To have such as program	2 2 2 2 2 1.8 e a basic ms and a rove an ic searcle knowl natural e an und an und ans. e a basic sing, age	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in to undo and proposision, axio ing of the grobotics	a traditic erstand coblem solve to impretional camatic sy ne basic inter topics of some s, expert	onal AI code wr ving ski ove des diculus, stem, e	languitten ii	age inn that sed on g and g rrtional	1 1 1 2 1 1 2 1.4 2 1.4 cluding langua the cholaying and p	g an abiling a game aracteric a game redicate sentation, etc.	titity to w	rite sim the prob o unders	2 2 2 2 2 2 2 2 2 2 tand few sy theuristic see	rediate various stems
K1632055A		C02 C03 C04 C05 C06 Target C01 C02 C03	To have such as program	2 2 2 2 2 1.8 e a basic ms and a rove an ic searcle knowl natural e an und an und ans. e a basic sing, age	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in to undo and proposision, axio ing of the grobotics	a traditic erstand coblem solve to impretional camatic sy ne basic inter topics of some s, expert	onal AI code wr ving ski ove des diculus, stem, e	languitten ii	age inn that sed on g and g rrtional	1 1 1 2 1 1 2 1.4 2 1.4 cluding langua the cholaying and p	g an abiling a game aracteric a game redicate sentation, etc.	titity to w	rite sim the prob o unders	2 2 2 2 2 2 2 2 2 2 ple to interrupte to int	rediate various stems
ACC02C01A		C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C07 C07 C07 C07 C08 C08	To have such as program	2 2 2 2 2 1.8 e a basic ms and a rove an ic searcle knowl natural e an und an und ans. e a basic sing, age	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in to undo and proposision, axio ing of the grobotics	a traditic erstand coblem solve to impretional camatic sy ne basic inter topics of some s, expert	onal AI code wr ving ski ove des diculus, stem, e	languuitten in	age inn that sed on g and g rrtional	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling a game aracteric a game redicate sentation, etc.	titity to w	rite sim the prob o unders	2 2 2 2 2 2 2 2 2 2 ple to interrupte to int	
L'ORDINA.		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6	To have yroccess To have yroccess To have yroccess To have yroccess To have yroccess	2 2 2 2 1.8 e a basic le knowl natural an undan undan undan undan undan e basic le basic le poor poor poor poor poor poor poor poo	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 2 4 2 4 2 4	ency in reto unda and proto unda gues and protosing of the go of other tanding robotics ge on protosics.	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the control of the co	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 ple to interrulem using wattand few sy theuristic seaportant role one, natural lass and fuzzy	
ACCOSCOTA		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have yrogran To have yrogra	2 2 2 1.8 e a basic rove an ic searcl e knowl natural an und an und e an und e e a basic e basic	2 2 2 2 2 2 2 2 2 2 c profician ability alytical a h technic ledge on deduction defens	ency in reto unda and proto unda gues and proto unda gues and protosing of the growth	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the control of the co	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 ple to interrulem using valuad few synheuristic seeportant rolems, natural I sand fuzzy	
COCOTO		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6	To have program To have well as program To have program To have program To have process To hav	2 2 2 2 1.8 e a basic sand a crove an an ic searce when an under sand an under sand an under sand part of the part	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in reto unda and proto unda gues and proto unda gues and protosing of the growth	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the control of the co	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 ple to interrule to interrule to interrule using value tand few sy tand few sy tand few sy tand few sy portant role in g, natural less and fuzzy	
L'OPPORT	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE SO	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have program To have well as program To have process To hav	2 2 2 2 1.8 e a basic sand a crove an an ic searce when an under sand an under sand an under sand part of the part	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in reto unda and proto unda gues and proto unda gues and protosing of the growth	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the control of the co	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 tand few sy theuristic seeportant role ng, natural l s and fuzzy PSO1 2 2	rarious stems anguage psource psour
COCOCO		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have process To have proces	2 2 2 2 1.8 1.8 e a basic service and in the control and under the control and in the con	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in reto unda and proto unda gues and proto unda gues and protosing of the growth	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the state of the	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 tand few sy theuristic see apportant role and for sy and fuzzy PSO1 2 2 2	rarious stems arch, as e in AI psoud logics.
		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have yell as program To have yell as program To have yell as program To have yell as 2 2 2 2 2	2 2 2 2 1.8 1.8 e a basic ic searcl e knowl natural e an unda ms. se e a basic ic searcl 1 2 PO2 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in reto unda and proto unda gues and proto unda gues and protosing of the growth	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the state of the	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 tand few sy heuristic seaportant role ng, natural l s and fuzzy PSO1 2 2 1	rarious rarch, as an AI pso logics.
		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have process To have proces	2 2 2 2 1.8 1.8 e a basis and a construction and undural manual undural ms. e e basis le babasis le basis le basis le basis le basis le basis le basis le ba	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in reto unda and proto unda gues and proto unda gues and protosing of the growth	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the state of the	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 tand few sy theuristic seaportant role lag, natural 1 2 2 2 1 1	rarious rarch, as arch, as arch, as arch, as 2 logics.
COCCOTA		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have program To have program To have program To have program To have program To have process To have proces	2 2 2 2 1.8 1.8 e a basic is earcle for knowl natural e an undans. e a basic is earcle 1 1 2 1 1 1.2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in / to undead proposis on, axio of the tanding gof othe tanding go of othe tanding probotics ge on proposition of the tanding probotics of the tanding probotics of the tanding probotics of the tanding probotics of the tanding probotics of the tanding probotics of the tanding probotics of the tanding probability	a traditic erstand collem solutional ca matic sy the basic intertopical of some solutional can solve basic intertopical	onal AI ode wring ski ove des cliculus, stem, e sssues o s such a	languuitten in	age in that of the state of the	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	rarious rar
AT02502A		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have program To have well as program To have process To hav	2 2 2 2 1.8 e a basic searcle to know an underma	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in / to undand proton axio ing of the geometry of the geo	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	onal AI oode wr ing ski. stem, e ssues o of the e system pod pod pod pod pod pod pod po	languitten in ills basaining propote. f knov s minimore a s, and ysis an	age inn a that	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	rarious rar
KLOSZUSA	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have program To have program To have program To have process To have proces	2 2 2 2 1.8 1.8 e a basic sand ic search e knowle natural an under sea unante	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in to undate and proposition, axio on probatics and protoctics are generally as a series of the	a traditic 2 2 2 2 2 a traditic terstand of obtained to some time to some time to some time to some time to some time to some time to some time to some time time time time time time time ti	onal AI oode wr ing ski. stem, e ssues o of the e system pod pod pod pod pod pod pod po	languitten in ills basaining propote. f knov s minimore a s, and ysis an	age inn a that	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	rarious rar
WEST COTU	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have process To have proces	2 2 2 2 1.8 1.8 e a basis and c is search and c is search an undo manufactural and c is search	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in / to undatand proposition, axio ing of the tanding grobotics ge on proposition and proposition axio ing of the tanding grobotics and grobotics ge on proposition and grobotics ge on proposition and grobotics ge on proposition and grobotics ge on proposition and grobotics ge on proposition and grobotics get on proposition and grobotics get on proposition and grobotics grobotics.	a traditic 2 2 2 2 to implement to implement to implement to implement to implement to implement to implement to implement implemen	onal AI oode wr ing ski. stem, e ssues o of the e system pod pod pod pod pod pod pod po	languitten in ills basaining propote. f knov s minimore a s, and ysis an	age inn a that	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	rarious rar
	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	To have program To have process To have proces	2 2 2 2 2 1.8 1.8 e a basic is earcle e knowly natural e an uncra an unda natural f knowly 1 2 1 1 1 1 1.2 0 develo 0 develo 0 create 0 create 0 create	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in / to unduland prolonion, axio on axio on proposi on, axio on proposi on prolonion of tanding of other tanding probotics ge on prolonion of the prolonio	2 2 2 2 2 a traditic erstand c c c c c c c c c c c c c c c c c c c	onal AI ona	languitten in ills base propo te. f knovs s minimore a s, and ysis an		1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	rarious rar
	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	To have program To have process To have proces	2 2 2 2 2 1.8 1.8 e a basic is earcle e knowly natural e an uncra an unda natural f knowly 1 2 1 1 1 1 1.2 0 develo 0 develo 0 create 0 create 0 create	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in / to unduland prolonion, axio on axio on proposi on, axio on proposi on prolonion of tanding of other tanding probotics ge on prolonion of the prolonio	a traditic restand e c 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	onal AI ona	languitten in ills base propo te. f knovs s minimore a s, and ysis an		1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	rarious rar
	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	To have program To have program To have program To have program To have program To have process To have proces	2 2 2 2 1.8 1.8 e a basis sand d is searcle known natural e an unn d is searcle known natural e an unn an unde se a basis l 1 1 1 1 1.2 o develo o create e o develo o create e o develo o develo o write	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in to unda mand protogues and proposis on, axio unda grotogues and proposis on, axio protogues and protogues	a traditic 2 2 2 2 2 2 2 a traditic to impretional ca matic sy to to impretional ca matic sy to some of some of, expert robabilis POS POS PHP gg Ajax x RL and F	onal AI ona	languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten languatiten in languatiten languatiten in languatiten	age inc a that it a sed on a and price in a sed on a sed	1 1 2 1 1 2 1.4 cluding langua the che che laying and pure representation of the che laying and pure representatio	g an abi	litity to w and and blue to that pl	rrite sim the problem of understanding and and any an im state and any system	2 2 2 2 2 2 2 2 2 2 2 2 tand few sy tand few sy tand few sy tend few sy tand few sy tend few sy tend few sy tand f	
		CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	To have program To have process To have proces	2 2 2 2 2 1.8 1.8 e a basic is earcle e knowly natural e an uncra an unda natural f knowly 1 2 1 1 1 1 1.2 0 develo 0 develo 0 create 0 create 0 create	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in / to unduland prolonion, axio on axio on proposi on, axio on proposi on prolonion of tanding of other tanding probotics ge on prolonion of the prolonio	a traditic 2 2 2 2 2 2 a traditic terstand of obtained to simple the	onal AI ona	languitten in ills base propo te. f knovs s minimore a s, and ysis an	age inc a that it a sed on a and price in a sed on a sed	1 1 2 1 1 2 1.4 2 1.4 cluding langua the chelaying and p	g an abiling gear a game redicate sentation ion, etc		rrite sim the prob o unders ind and and ayay an in	2 2 2 2 2 2 2 2 2 2 2 2 2 4 2 ble to interrule using value few systand few sys	
KIDSZUSSA	OPEN ELECTIVE - ARTHRICIAL INTELLIGENCE	CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 Target	To have program To have program To have program To have program To have program To have process To have proces	2 2 2 2 1.8 1.8 e a basis sand d is searcle known natural e an unn d is searcle known natural e an unn an unde se a basis l 1 1 1 1 1.2 o develo o create e o develo o create e o develo o develo o write	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ency in to unda mand protogues and proposis on, axio unda grotogues and proposis on, axio protogues and protogues	a traditic 2 2 2 2 2 2 2 a traditic to impretional ca matic sy to to impretional ca matic sy to some of some of, expert robabilis POS POS PHP gg Ajax x RL and F	onal AI ona	languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten in languatiten languatiten in languatiten languatiten in languatiten	age inc a that it a sed on a and price in a sed on a sed	1 1 2 1 1 2 1.4 cluding langua the che che laying and pure representation of the che laying and pure representatio	g an abi	litity to w and and blue to that pl	rrite sim the problem of understanding and and any an im state and any system	2 2 2 2 2 2 2 2 2 2 2 2 tand few sy tand few sy theuristic seaportant role ng, natural l s and fuzzy PSO1 2 2 1 1 1.5	rarious rar

1	1					-			_	_					_	
\vdash	4	CO4	2	2	+	3	3	-	+	+	-	-	2	+	2	2
\vdash	1	CO6			+		7		+	+	+			+		
T	7	Target	2	2	2	3	2.25	5					2		2	2
				V	ASIRED	DY VEN	IKATADI	RI INST	ITUTE	OF T	ECHN	OLOGY			•	
				DE	PARTM	ENT OF	INFORM	IOITAN	N TEC	HNOL	OGY					
							R16 CC)-PO M	ATRIX	(
ŀ		Icoa	lc1 1 .1	1 1.1.	A. J. d.			. 1.11.	1 4		41 1					
		CO1					effect gr						test the	system.		
		CO3					trol flow						for the	svstem		
İ		CO4					ases to F									
ļ		CO5	Should	be able	to gener	rate du a	and de pa	ths to g	iven p	roble	m state	ement.				
57	ap ap	CO6	Should	be able	to perfo	rm muta	ation test	ing and	to co	mpute	mutat	ion scor	re.			
R1632057	Software Testing Lab							ı	ı —		ı —					
R16	esti		PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	- E	C01	2	2	1		1								2	2
	twa	C02	2	2	2		1								2	2
	Sof	C03		1											2	2
		C04		2											2	2
		C05	1		1											2
\dashv		Target	2	1.7	2											1
			2	5	1.5		1								2	2
Ţ		lar:	In.		. D			! :								
		CO1					essing T Knowle			ssific	ation I	Method	ls			
		CO3					Knowle						-			
_		CO4					Knowle									
R1632058																
163			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
۳	Lab	C01		3	1	1	_	3	-	_	_	_	_	_	_	3
	Data Mining Lab	C02	H :	3	1	1	<u> </u>	3	<u> </u>	<u> </u>		<u> </u>	-			3
l	Ξ	C03	-	3	1	1	-	3	-	-	-	-	-	-	-	3
	ata	C04		3	1	1	-	3	_	-	-	_	_	_	_	3
-	۵	Target		3	1	1		3								3
Ì			_				1		4	· · · ·						1
\dashv								4-	1							ĺ
ŀ		CO1	Identif	v secur	ity thro	atc con	vices and	•		lar an	d line	ar cong	ruence	equatio	ne	
		CO2					olock cip						racrice	cquatic	7113.	
l		соз	_				lic key cr									
		CO4		ate Hasl	h Algorit											
		CO5										uthenti				
		CO6	+	e vario	us mail :	security	/ protoco	ols and	e-con	nmero	e trar	saction	protoc			
₁			+	e vario	us mail :	security		ols and	e-con	nmero	e trar	saction	protoc		nisms	
ıω	Ę		+	e vario	us mail :	security	/ protoco	ols and	e-con	nmero	e trar	saction	protoc		nisms	
8	k Secur		+	e vario	us mail :	security	/ protoco	ols and	e-con	nmero	e trar	saction	protoc	mecha	nisms PSO1	PSO2
16410	work Secur	C01	Protec	e vario	us mail s	security / firewa	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	protoc	mecha		
R1641051	Network Security		Protect	t the sy	rstem by	r firewa	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	protoco tection PO11	mecha		PSO2 2
R16410		C01 C02	Protect PO1 3	t the sy	rstem by	security / firewa	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	protoc	mecha		
R16410			Protect PO1 3	t the sy	rstem by	r firewa	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	protoco tection PO11	mecha	PSO1	
R16410		C02	Protect PO1 3 3	t the sy	rstem by	PO4	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	PO11	mecha		2
R16410		C02	Protect PO1 3	t the sy	PO3	PO4 2	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	protoco tection PO11	mecha	PSO1 2	2
R16410	Cryptography and Network Secur	C02 C03 C04	Protect PO1 3 3	t the sy	PO3 2	PO4 2 2	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	PO11 2	mecha	PSO1 2	2 2 2
R16410		C02 C03 C04 C05	Protect PO1 3 3	t the sy	PO3 2 2 2 2	PO4 2	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	PO11 2	mecha	PSO1 2	2
R16410		C02 C03 C04 C05 C06	Protect PO1	PO2	PO3 2 2 2 2	PO4 2 2 2 2	PO5	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	PO11 2 2 2 2	PO12	2 2 2 2	2 2 2 2 2
R16410		C02 C03 C04 C05	Protect PO1 3 3	t the sy	PO3 2 2 2 2	PO4 2 2	protoco	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	PO11 2	PO12	2 2 2	2 2 2 2
R16410		C02 C03 C04 C05 C06	Protect PO1	PO2	PO3 2 2 2 2	PO4 2 2 2 2	PO5	ols and ndersta	e-con nd va	nmero rious	e trar	ord pro	PO11 2 2 2 2	PO12	2 2 2 2	2 2 2 2 2
R16410		C02 C03 C04 C05 C06	Protect PO1	PO2 2	PO3 2 2 2 2 2 2	PO4 2 2 2 2 2	PO5	PO6	PO7	PO8	PO9	PO10	PO11 2 2 2 2 2 2 2	PO12	2 2 2 2	2 2 2 2 2 2
R16410		C02 C03 C04 C05 C06 Target	Protect PO1 3 3 3 3 Interpr	PO2 2 2 ret vario	PO3 2 2 2 2 2 2 ous mob	PO4 2 2 2 2 2 2 ille comr	PO5 2 2 munication	PO6	PO7	PO8	PO9	PO10 PO10 PO10	PO11 2 2 2 2 2 paradig	PO12	2 2 2 2 2 2	2 2 2 2 2 2 2
R16410		C02 C03 C04 C05 C06 Target	Protect PO1 3 3 3 Interpr Analyz	PO2 2 2 ret vario	PO3 2 2 2 2 2 2 2 cous mob	PO4 PO4 2 2 2 2 2 2 iile comr	PO5	PO6 PO6 I infer co	PO7	PO8	PO9 PO9 ermin ltiplex	PO10 PO10 Possible techniques of the possible	PO11 2 2 2 2 2 paradig	PO12	2 2 2 2 2 2	2 2 2 2 2 2
R16410		C02 C03 C04 C05 C06 Target C01 C02 C03 C04	PO1 3 3 Interp	PO2 2 2 2 2 cret various de problement de pr	PO3 2 2 2 2 2 2 2 2 obus mob	PO4 2 2 2 2 2 2 fineward Compression of mobil of converse	POS 2 2 2 MAC and calle networthing a control of the networthing and the networthing and the networthing and the networthing and the networthing and the networthing are networthing at the networthing	PO6 Pof linfer cork laye	PO7 PO7 comprising the state of the state	PO8 PO8 uting t mt mu ed on I	PO9 PO9 PO9 Post Post Post Post Post Post Post Post	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 paradiginiques	PO12 2 2 2 obile training	PSO1 2 2 2 2 2 2 architectur	2 2 2 2 2 2 2 2 2 ess.
R16410		C02 C03 C04 C05 C06 Target C01 C02 C03	PO1 3 3 3 Interpp Analyzy Analyzy Analyzy	PO2 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PO3 2 2 2 2 2 2 2 voorking o	PO4 PO4 2 2 2 2 2 confined a single community of mobile of converse constraints.	POS 2 2 2 MAC anticolal relationship of the control of the con	PO6 PO6 I infer c CP/IP a arding it	PO7 PO7 Complete ifference in the base of the base o	PO8 PO8 Post of the post of	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10	PO11 2 2 2 2 paradiginiques	PO12 2 2 2 obile training	PSO1 2 2 2 2 2 2 architectur	2 2 2 2 2 2 2 2 2 ess.
		C02 C03 C04 C05 C06 Target C01 C02 C03 C04	PO1 3 3 3 Interp Analyz Analyz Analyz	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 2 vous mobems in wworking orking or on with v	PO4 PO4 2 2 2 2 2 2 frewaliale committees of mobile of convenience of con	POS 2 2 2 MAC and calle networthing a control of the networthing and the networthing and the networthing and the networthing and the networthing and the networthing are networthing at the networthing	PO6 PO6 On and difference of the large of	PO7 PO7 compositiffere r, base nd infissues putin,	PO8 PO8 uting t nt mu ed on I er diff and fr ag arch	PO9 PO9 Posswermin ltiplex Mobile erent essolvinitecturi	PO10 PO10 Po10	PO11 2 2 2 2 2 paradigues as siques as siques as six as a si	PO12 2 2 2 spars and	PSO1 2 2 2 2 2 2 architectur	2 2 2 2 2 2 2 2 2 ess.
		C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05	PO1 3 3 3 Interp Analyz Analyz Analyz	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 2 vous mobems in wworking orking or on with v	PO4 PO4 2 2 2 2 2 2 frewaliale committees of mobile of convenience of con	POS POS 2 2 MAC and le networtional T ideligent services and the services are services and the services are services and the services are services and the services are services and the services are services are services and the services are service	PO6 PO6 On and difference of the large of	PO7 PO7 compositiffere r, base nd infissues putin,	PO8 PO8 uting t nt mu ed on I er diff and fr ag arch	PO9 PO9 Posswermin ltiplex Mobile erent essolvinitecturi	PO10 PO10 Po10	PO11 2 2 2 2 2 paradigues as siques as siques as six as a si	PO12 2 2 2 spars and	PSO1 2 2 2 2 2 2 architectur	2 2 2 2 2 2 2 2 2 ess.
R1641052 R16410	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05	PO1 3 3 3 Interp Analyz Analyz Analyz	PO2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 2 vous mobems in wworking orking or on with v	PO4 PO4 2 2 2 2 2 2 frewaliale committees of mobile of convenience of con	POS POS 2 2 MAC and le networtional T ideligent services and the services are services and the services are services and the services are services and the services are services and the services are services are services and the services are service	PO6 PO6 On and difference of the large of	PO7 PO7 computifiere r, base nd infussues puttin ogies	PO8 PO8 uting t nt mu ed on I er diff and fr ag arch	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10	PO11 2 2 2 2 2 2 paradiginiques Is for miques as given a series as given as given a series as given a series as given as given a series as given as given a series as given as given as given as given a series as given as	PO12 2 2 2 2 innment.	PSO1 2 2 2 2 2 2 architectur	2 2 2 2 2 2 2 2 2 ess.
	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06	PO1 3 3 3 Interp Analyz Analyz Analyz PO1	PO2 2 2 2 2 2 2 2 PO2 4 Be the wariant with the symmetric the received the wariant with the symmetric the received the receiv	PO3 2 2 2 2 2 2 2 Power in wworking orking o orking o orking o oworking oworking oworking oworking	PO4 PO4 2 2 2 2 2 2 2 Pofmobi of conversization, carious,	POS POS POS POS POS	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 Complete iffere r, base nd infessues sues sues putin ogies PO7	PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 2 2 2 paradigues as g enviro	PO12 2 2 2 2 nomination of the policy of th	PSO1 2 2 2 2 2 2 architectur mobile	2 2 2 2 2 2 2 2
	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06	PO1 3 3 3 Interp Analyz Analyz Analyz PO1 PO1 2	PO2 2 2 2 2 2 2 Pret varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret the varie ret varie	PO3 2 2 2 2 2 2 2 2 1 Power in www. working orking o orki	PO4 2 2 2 2 2 2 2 1 POMPHIST OF THE P	POS 2 2 2 2 MAC and with the state of t	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 Complete of the comp	PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 2 2 2 paradigues as g environ PO11 -	PO12 2 2 2 2 1 PO12 PO12	PSO1 2 2 2 2 2 2 architectur mobile	2 2 2 2 2 2 2 2
	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02	PO1 3 3 3 Interp Analyz Analyz Analyz Comm Interp PO1 2 3	PO2 2 2 2 2 PO2 2 PO2 2 PO2 2 PO2 2 PO2 2 PO2 2 PO2 2 PO2 PO	PO3 2 2 2 2 2 2 1 Power in warring working or ynchron on with v working PO3 1 1	PO4 PO4 2 2 2 2 2 2 2 PO4 PO4	POS 2 2 2 MAC atmoinal T data ho client serve TETs and	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 Complete Complet	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 2 2 2 paradigues as sis for miques as signer miques miques as signer miques as signer miques as signer miques as signer miques as signer miques	PO12 2 2 2 2 Poblie training a part of part o	PSO1 2 2 2 2 2 2 architectur mobile PSO1 - 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05 C06	PO1 3 3 3 Interp Analyz comm Interp PO1 2 3 3 3	PO2 2 2 2 PO2 2 2 PO2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 1 1 1 2 1 1 2 2 2 2 2 2 2	PO4 PO4 2 2 2 2 2 2 2 PO4 PO4	POS 2 2 2 2 POS MAC atmoinal T data ho disersers and POS POS	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 Complete of the comp	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 2 2 2 paradigues as: s for m iques as: g enviro	PO12 2 2 2 2 1 PO12 PO12 PO12 1	PSO1 2 2 2 2 2 2 architectur mobile PSO1 - 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04	PO1 3 3 3 Interp Analyz comm Interp PO1 2 3 3 3 3	PO2 2 2 2 PO2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	PO4 PO4 2 2 2 2 2 2 2 1 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS 2 2 2 MAC atmoinal T data ho client serve TETs and	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 Complete Complet	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 2 2 2 paradigues as sis for miques as signer miques miques as signer miques as signer miques as signer miques as signer miques as signer miques	PO12 2 2 2 2 1 PO12 PO12 PO12 PO12 PO12	PSO1 2 2 2 2 2 2 architectur ansport laye mobile PSO1 - 2 2 2 2	2 2 2 2 2 2 2 2 2 2 1 1 1 1 1
	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04 C05	PO1 3 3 3 Interp Analyz Analyz Analyz Analyz S Analyz Anal	PO2 2 2 2 2 PO2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	PO4 2 2 2 2 2 2 2 1 2 1 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS 2 2 2 POS POS POS POS POS P	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 PO7 Comprising the point of the p	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10	PO11 2 2 2 2 2 2 2 2 Porradigues Is for miques as g envirous PO11	PO12 2 2 2 2 noment. PO12 PO12	PSO1 2 2 2 2 2 2 architectur PSO1 - 2 2 2 -	2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 -
	Cryptography and	C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C01 C02 C03 C04	PO1 3 3 3 Interp Analyz comm Interp PO1 2 3 3 3 3	PO2 2 2 2 PO2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO3 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	PO4 PO4 2 2 2 2 2 2 2 1 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS 2 2 2 2 POS MAC atmoinal T data ho disersers and POS POS	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 Complete Complet	PO8 PO8 PO8 PO8 PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	PO11 2 2 2 2 2 2 2 paradigues as: s for m iques as: g enviro	PO12 2 2 2 2 1 PO12 PO12 PO12 PO12 PO12	PSO1 2 2 2 2 2 2 architectur ansport laye mobile PSO1 - 2 2 2 2	2 2 2 2 2 2 2 2 2 2 1 1 1 1 1

					VEIDED	DV VEN	IKATAD	DI INICT	ITLITE	OE T	ECHNI	nocy				
							INFOR					JLUGT				
	_						R16 C0)-PO M	ATRI)							
	-	CO1	Infers	about D	ata War	ehouse	&why D	ata War	ehous	e is in	nperat	ive over	r Traditi	onal Dat	tabases.	
	ness	CO2	_				ues befo									
	isi	соз	Extend	ls about	Data W	arehou	se : Arch	tecture	& Im	oleme	ntatio	n				
	B	CO4					ifferent a	• •								
	gar	CO5					ecite dif		• •							
23	usin	CO6	Infers	Cluster	Analysis	& recite	e differer	nt appro	aches	i.						
R1641053	Data Ware Housing and Business Intelligence															
R 1	Data Ware H		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	el ta	C01	2			1		2		3					1	
	ᇢ重	C02	3	1												3
		C03	2		1			2							1	
		C04 C05		3	1	1		3								3
		C06		3	1	1		3								3
	1	Target	2.1	2.3	1	1		2.3		3					1	3
		CO1	Under	standin	g basics	of Mar	nagerial	Econor	nics a	nd cor	ncepts	of den	nand.			
		CO2	Reme	mbering	the co	ncepts	of produ	ction 8	cost	and a	pplyin	g break	even a	nalysis t	o determin	ie
	ysis			even po												
	la l	соз					tructure				ing.					
	ja A	CO4					busines									
_	anc	CO5	Applyi	ng acco	unting p	principl	es to kn	ow the	finan	cial po	sition	of the	busines	s organ	ization.	
1027	ᄩ	CO6	Create	aware	ness abo	out cap	ital bud	geting r	netho	d to d	eterm	ine pro	ject wo	orth.		
R1641054	and															
2	Managerial Economics and Financial Analysis		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Ouo	C01		-	-	_	-	-	-	-	_	-	2	2	3	2
	<u>E</u>	C02		2	-		-	-	-	-	-	-	2	2	3	3
	geri	C03		-	-	-	-	-	-	-	-	-		2	3	2
	au ag	C04		-	-	-	-	3	2	-	-	-	2	2	3	3
	ĮΣ̈́	C05		-	2	2	-	-	-	-	-	2	2	2	3	2
	1	C06	-	-	-	2	2	-	-	1	1	-	3	2	3	3
	<u> </u>	Target		2	2	2	2	3	2			2	2.2	2	3	2.5
	-	T	I													
		CO1	-				ired for						ns			
		CO2	+				om stru				tured	data				
		CO3	_				ation, q	uery, ai	nd ana	ilysis						
	(5)	CO4							data	coto						
	I .≌	COS				-	niques t		data	sets						
4	alysi	CO5	Creati	ng appl	cations	for Big	niques t Data an data ar	alytics								
1105A	a Analysi		Creati	ng appl	cations	for Big	Data an	alytics								
3164105A	Data Analys		Creati	ng appl	cations	for Big	Data an	alytics			PO9	PO10	PO11	PO12	PSO1	PSO2
R164105A	(Big Data Analys	CO6	Creati Buildin	ng appli	reations nplete b	for Big ousiness	Data an data ar	alytics nalytic s	PO7	PO8						
R164105A	ve-I(Big Data Analysis)	CO6	PO1	ng appling a cor	cations nplete b	for Big ousiness	Data an data ar	alytics alytic s	olutio	n	PO9 -	PO10 -	PO11 -	PO12 -	3	PSO2 2 2 2
R164105A	ective-I(Big Data Analysi	CO6	Creati Buildin	ng appling a cor	PO3	for Big ousiness	PO5	alytics nalytic s	PO7	PO8						2
R164105A	Elective-I(Big Data Analys	C01 C02	PO1 3 2	PO2	PO3	PO4	PO5 - 2	PO6	PO7	PO8	-	-	-	-	3	2 2
R164105A	Elective-I(Big Data Analys	C01 C02 C03	PO1 3 2 2	PO2 3 - 2	PO3 - 2 2	PO4	PO5 - 2	PO6	PO7	PO8	-	-	-	- - 2	3 3 1	2 2 2
R164105A	Elective-I(Big Data Analysi	C01 C02 C03 C04	PO1 3 2 2 1	PO2 3 - 2 3	PO3 - 2 2 3	PO4	PO5 - 2 2 -	PO6	PO7	PO8 1	-	-	-	- - 2 2	3 3 1 2	2 2 2 2
R164105A	.l Elective-I(Big Data Analysi	C01 C02 C03 C04 C05	PO1 3 2 2 1 2 2	PO2 3 - 2 3 2 2	PO3 - 2 2 3 2	PO4	PO5 - 2 2 - 2 2 2	PO6	PO7	PO8 1 - 1 1	-	-		- 2 2 2 2	3 3 1 2 2 2	2 2 2 2 1 2
R164105A	Elective-I(Big Data Analysi	CO1 CO2 CO3 CO4 CO5	PO1 3 2 2 1 2	PO2 3 - 2 3 2	PO3 - 2 2 3 2	PO4 2 - 2	PO5 - 2 2 - 2	PO6	PO7	PO8 1 - 1	-	-		- 2 2 2	3 3 1 2 2	2 2 2 2 1
R164105A	Elective-I(Big Data Analysi	C01 C02 C03 C04 C05	Creati Buildin PO1 3 2 2 1 2 2 2 2 2 2 2	PO2 3 - 2 3 2 2.4	PO3 - 2 2 3 2 2 2.2	PO4 2 - 2 2 2 2	PO5 - 2 2 - 2 2 2	PO6	PO7	PO8 1 - 1 1	-	-	-	- 2 2 2 2	3 3 1 2 2 2	2 2 2 2 1 2
R164105A	Elective-I(Big Data Analysi	C01 C02 C03 C04 C05 C06 Target	PO1 3 2 1 2 1 2 2 2 Explai	PO2 3 - 2 3 2 2.4	PO3 - 2 2 3 2 2 2.2 ey dime	PO4	POS - 2 2 2 2 2 of the cl	PO6	PO7	PO8 1 - 1 1 1 1	- - - - -	- - - - -	- - - - -	2 2 2 2 2 2	3 3 1 2 2 2 2 2.17	2 2 2 2 2 1 2 1.83
R164105A	Elective-I(Big Data Analysi	C01 C02 C03 C04 C05 C06	PO1 3 2 1 2 1 2 2 2 Explai Analyzi	PO2 3 - 2 3 2 2.4	PO3 - 2 2 3 2 2.2 ey dimee	PO4	POS - 2 2 2 2 2 of the cl	PO6	PO7	PO8 1 - 1 1 1 1	- - - - -	- - - - -	- - - - -	2 2 2 2 2 2	3 3 1 2 2 2	2 2 2 2 2 1 2 1.83
R164105A	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2	PO1 3 2 1 2 1 2 2 Explai Analyzi	PO2 3 - 2 3 2 2.4 Insthe kees the example in the kees the example in the kees the example in the control of the control of the kees the example in the example in the kees the example in the kees the example in the kees the example in	PO3 - 2 2 3 2 2 2.2 ey dimee	PO4	POS - 2 2 - 2 2 of the concial and	PO6	PO7	PO8	- - - - - Compu	- - - - - - uting. (U	- - - - - - J).	- 2 2 2 2 2 2	3 3 1 2 2 2 2 2.17	2 2 2 2 1 1 2 1.83
R164105A	Electiv	C01 C02 C03 C04 C05 C06 Target	PO1 3 2 2 1 2 2 2 Explai Analyz	PO2 3 - 2 3 2 2.4 Insthe kees the example of the least of the le	PO3 - 2 2 3 2 2 2.2 ey dimeeconomi(AN)	PO4	POS - 2 2 - 2 2 of the concial and	PO6	PO7 genf C	PO8	- - - - - Compu	- - - - - - uting. (U	- - - - - - J).	- 2 2 2 2 2 2	3 3 1 2 2 2 2 2.17	2 2 2 2 1 1 2 1.83
R164105A	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2	PO1 3 2 2 1 2 2 2 2 2 Analyz organi Analyz and in	PO2 3 - 2 2 2.4 Insthe kees the extraction.	PO3 - 2 2 3 2 2 2.2 ey dimeeconomi(AN) financial cloud-b	PO4	PO5 PO5 PO5 PO5 PO5 PO5 PO5 PO5 PO5 PO5	PO6	PO7	PO8 1 - 1 1 1 1 alimptonalimp	- - - - - Compu	- - - - - - uting. (U	- - - - - J).	- 2 2 2 2 2 2 2 2 g cloud over's for	3 3 1 2 2 2 2 2.17	2 2 2 2 1 2 1.83 for own
R164105A	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2	PO1 3 2 2 1 2 2 2 2 2 Analyz organi Analyz and in	PO2 3 - 2 3 2 2 2.4 state the kezes the kezes the stalling stalling of the stalling of	PO3 - 2 2 3 2 2 2.2 ey dimeeconomi(AN) financial cloud-b	PO4	PO5 PO5 PO5 PO5 PO5 PO5 PO5 PO5 PO5 PO5	PO6	PO7	PO8 1 - 1 1 1 1 alimptonalimp	- - - - - Compu	- - - - - - uting. (U	- - - - - J).	- 2 2 2 2 2 2 2 2 g cloud over's for	3 3 1 2 2 2 2 2.17 computing	2 2 2 2 1 2 2 1.83 for own
	Electiv	C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C07 C00	PO1 3 2 1 1 2 2 2 Explai Analyzi and in Evalua areas.	PO2 3 - 2 3 2 2.4 East the extra transition of (E)	PO3 - 2 2 3 2 2 2.2 ey dimee	PO4 PO4 2 2 2 2 2 Interpretable to the position of the	POS POS 2 2 2 2 2 concial and olological, opplication one' nee	PO6	PO7	PO8 1 - 1 1 1 1 sectional with the position of the positio		- - - - - - - cons for s	J). selectin	2 2 2 2 2 2 2 2 2 cloud over's for	3 3 1 2 2 2 2.17 computing actively ini	2 2 2 2 1 2 2 1.83 for own
	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	PO1 3 2 1 2 1 2 2 Explai Analyying and in Evaluation areas. Description	position of (E)	PO3 - 2 2 3 2 2 2 2.2 evy dimee ecconomic (AN) riinancial cloud-b	PO4 2 - 2 2 2 2 2 2 lensions ics, fina	POS POS 2 2 2 2 2 contain an experiment of the circumstance	PO6	PO7	PO8 1 - 1 1 1 1 sectional with the position of the positio		- - - - - - - cons for s	J). selectin	2 2 2 2 2 2 2 2 2 cloud over's for	3 3 1 2 2 2 2.17 computing actively ini	2 2 2 2 1 2 2 1.83 for own
R16410 R164105A	Electiv	C01 C02 C03 C04 C05 C06 Target C01 C02 C03 C04 C05 C06 C06 C07 C00	PO1 3 2 1 2 1 2 2 Explai Analyying and in Evaluation areas. Description	position of (E)	PO3 - 2 2 3 2 2 2 2.2 evy dimee ecconomic (AN) riinancial cloud-b	PO4 2 - 2 2 2 2 2 2 lensions ics, fina	POS POS 2 2 2 2 2 concial and olological, opplication one' nee	PO6	PO7	PO8 1 - 1 1 1 1 sectional with the position of the positio		- - - - - - - cons for s	J). selectin	2 2 2 2 2 2 2 2 2 cloud over's for	3 3 1 2 2 2 2.17 computing actively ini	2 2 2 2 1 2 2 1.83 for own
	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	PO1 3 2 1 1 2 2 2 2 Explai Analyzi and in Evalua areas. Descrii	PO2 3 - 2 3 2 2 2.4 ms the k exercises the testalling of (E) bes about the constant of the	PO3 - 2 2 3 2 2 2 2.2 evy dimee ecconomic (AN) riinancial cloud-b	PO4	POS POS 2 2 2 2 2 control the cincial and ological, application ons' nee	PO6	PO7	PO8 1 1 1 1 1 tube distributions of the second of the				g cloud or or the cloud co	3 3 1 2 2 2 2.17 computing actively ini	2 2 2 2 1 2 1.83 for own
	Elective-II(Cloud Computing) Elective-I(Big Data Analys	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	PO1 3 2 1 2 1 2 2 Explai Analyying and in Evaluation areas. Description	position of (E)	PO3 - 2 2 3 2 2 2 2.2 evy dimee ecconomic (AN) rinnancial cloud-b	PO4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	POS POS 2 2 2 2 2 contain an experiment of the circumstance	PO6	PO7	PO8 1 - 1 1 1 1 sectional with the position of the positio		- - - - - - - cons for s	J). selectin	g cloud or or the cloud co	3 3 1 2 2 2 2.17 computing actively ini	2 2 2 2 1 2 2 1.83 for own
	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	PO1 3 2 1 1 2 2 2 2 Explai Analyzi and in Evalua areas. Descrii	PO2 3 - 2 3 2 2 2.4 ms the k exercises the testalling of (E) bes about the constant of the	PO3 - 2 2 3 2 2 2 2.2 2.2 times (AN) conomination or grant the conomi	PO4	POS POS 2 2 2 2 2 control the cincial and ological, application ons' nee	PO6	PO7	PO8 1 1 1 1 1 tube distributions of the second of the				g cloud or or the cloud co	3 3 1 2 2 2 2.17 computing actively ini	2 2 2 2 1 1 2 1.83 for own tiating
	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6	PO1 State of the control of the con	ng appling a corresponding a c	PO3 PO3 2 2 2 2 2 2 2 2 2 2 2 2 PO3 PO3	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO4	POS POS POS 2 2 2 2 2 2 2 POSITION OF THE CITY OF THE CI	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 PO7	PO8 PO8 PO8 PO8				g cloud or or the cloud co	3 3 1 2 2 2 2 2.17 computing actively ini	2 2 2 2 1 1 2 1.83 for own tiating
	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6	PO1 Explai Analyz and in Evalua Explai Po1 PO1 1	rig appling a corresponding a	PO3 2 2 2 2 2 2 2 2 2 2 t.the steep dimes	PO4	POS POS 2 2 2 2 2 2 2 Portion of the circle of th	PO6	PO7 PO7 PO7	PO8				g cloud or or the cloud co	3 3 1 2 2 2 2 2.17 computing actively ini	2 2 2 2 1 1 2 1.83 for own tiating
	Electiv	CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO1 CO2	PO1 Explai Analyz areas. Descri Explai 1 2 1 2 2 2 Explai Analyz Areas. Descri Explai PO1 1 2	PO2 3 - 2 3 2 2 2 4 4 best he & exaction of (E) bes about population of (E) bes about population of (E)	PO3 2 2 2 3 2 2 2 2 2 2 2 2 temple be be be be be be be be be be be be be	PO4 - 2 2 2 2 2 2 2 Pensions sics, fina	POS POS POS POS POS POS POS POS	PO6	PO7	PO8 1 1 1 1 1 1 PO8	Compute Computer of the Comput			g cloud or or the cloud co	3 3 1 2 2 2 2.17 computing actively ini mputing-re	2 2 2 2 1 1 2 1.83 for own tiating lated IT

C06	2	2	1	-	1	-	-	-	-	-	1	-	1	1
Target	1.67	1.5	1.25		1		1		1	1	1		1	1

					ASIRED											
				DEI	PARTME	NT OF	R16 CC			_	OGY					
		CO1					softwar ng Syster		for cr	eating	mobil	e applic	ations (using Jav	a2 Mobile	Edition
		CO2	Creati						ying th	ne con	cepts	of wirel	ess app	lication	developme	nt
		соз			onstrate	the sof	tware se	tup for	creati	ng mo	bile ap	plicatio	n using	Android	Software	
							d Studio board d		or the	mohil	e annli	cation t	o he de	veloned		
		CO4														
057		CO5	betwe data u	en Mod	el and Vi Model o	iew con	ponents	to pro	cess a	ll the l	ousine	ss logic	and inco	oming re	s an interfa equests, ma t through M	nipulate
R1641057	٩	CO6	Applyi	ng Demo	onstrate										ware prope tore for en	
	Mobile Computing Lab				200			Lage	l non	lnoo	1 200	2010	2011		2004	Lacas
	puti	C01	PO1 2	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	S	C02	2	1	1	3									1	3
	e (C03	2	2	2										2	
	Mo	C04	1		2	2										2
		C05		3	1										2	
\dashv		Target	1.75	1.8	2 1.6	2.5									1.5	2.5
																1
- 1		CO1					reats, hi									
	۲×	CO2 CO3					and bloc								ıms	
	etwo	CO4					rithms ar								11115.	
	Cryptography and Network															
2	y an		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	raph	g C01	3	2	2											2
	tog	4	3		2	2	2						2		2	
	C,	C02	3			2							2		2	_
		C04			2	2										2
\dashv		C04			-	_									2	2
!							l	I		ı	ı					
П		Target	3	2	2	2	2						2		2	2
		Target	3	2	2	2	2	4-	<u> </u> 2				2		2	2
		Target CO1	Able t	o under scriptive	stand the model	ne natu s.	re of dis	tribute	d syst				on desi		llems, issue	es in
		T	Able t	o under scriptive	stand the model	ne natu s. ledge o	re of dis	tribute	d syst	of pro	otocols	for int	on desi			es in
		CO1	Able to the desired Able to adistri	o under scriptive o acquir buted e	stand the models	ne natu s. ledge o nent an	re of dis n the ch	tribute aracter	d syst	of pro	otocols on pat	for int	on desi	ess con	llems, issue	es in
		CO1	Able to the desired Able to Ab	o under scriptive o acquir buted e o descri	stand the models re know invironn be the f	ne natu s. ledge o nent an eatures	re of dis n the ch d to sup s and ap	tribute paracter port co	d syst	of pro nicati progr	otocols on pat ammii	for int iterns.	er-proc	ess com	ilems, issue	es in
2051		CO1 CO2 CO3 CO4	Able t thede: Able t adistri Able t upons	o under scriptive o acquir buted e o descri o descri hared r	stand the models re known invironm be the f	ne natu s. ledge o nent an eature: operatin	n the ch d to sup s and ap	tribute aracter port co plicatio m supp	d systematics ommu	of pro nicati progr ne mi	otocol: on pat ammii ddlew	s for int terns. ng mod are laye	er-prod els in di	ess com	nmunications systems.	es in
1642051		CO1 CO2 CO3	Able t thede: Able t adistri Able t upons	o under scriptive o acquir buted e o descri o descri hared ro o under	stand the models of the following the stand the cesource stand the	ne natu s. ledge o nent an eatures operatir s	n the ch d to sup s and ap	tribute aracter port co plicatio m supp	d systematics ommu	of pro nicati progr ne mi	otocol: on pat ammii ddlew	s for int terns. ng mod are laye	er-prod els in di	ess com	nmunicatio	es in
R1642051	sms	CO1 CO2 CO3 CO4	Able to the desired additional to the desire	o under scriptive o acquir buted e o descri o descri hared ro o under cesses co o under	stand the models of the following the follow	ne natu s. ledge o nent an eatures operatiis ne distri	re of dis n the ch d to sup s and ap ng systen ibuted fi	tribute paracter port co plication m supp le systemions.	d syst	of pro nicati progr ne mio	on patammin ammin ddlews	s for intiterns. Ing mod are layer	er-prod els in di er in pro	ess com istribute oviding i	nmunications systems.	es in
R1642051	ute Systems	CO2 CO3 CO4 CO5	Able to the desired additional to the desire	o under scriptive o acquir buted e o descri o descri hared ro o under cesses co o under	stand the models re know environment be the formula be the cesource stand the na coord stand the	ne natu s. ledge o nent an eatures operatiis ne distri	n the ch d to sup s and ap ng syster ibuted fi their act	tribute paracter port co plication m supp le systemions.	d syst	of pro nicati progr ne mio	ammii addlewa ctures	s for intiterns. Ing mod are layer	er-process in diser in process plemer	ess com istribute oviding i	nmunications systems.	n in
R1642051	tribute Systems	CO2 CO3 CO4 CO5	Able t thede: Able t adistri	o under scriptive o acquir buted e o descri hared ro under esses c o under buteden	stand the models re know environme	ne natu s. ledge o nent an eatures operatir s ne distri dinate t ne mech	re of dis n the ch d to sup s and ap ng syster ibuted fi heir act nanisms	tribute paracter port co plicatio m supp lle syste ions. for cor	d systics ommu	of pronication of programme micropites of the micropites of the programme	ammii addlewa ctures	s for intiterns. Ing mod are layer and im and the	er-process in diser in process plemer	ess com istribute oviding i ntations f replica	nmunication and systems. In how a set tion in	n in
R1642051	Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2	Able t thede: Able t adistrict Able t upons Able t upons Able t district Able	o under o acquiri buted e o descri hared ri hared ri o under esses c o under e	stand the models of the control of t	perature: s perature: s perature: poperatire s perature distribute to the mediant.	n the ch d to sup s and ap ng systen ibuted fi cheir act nanisms	tribute paracter profit co	ns of orts the means and courre	programe mice mice mice mice mice mice mice mi	potocolo parammini delle victures pontrol	s for interest. Ing mode are layer and implementation and the policy po	er-proceed els in discrete in proceed els in discrete in proceed els in discrete els in discre	istribute poiding i ntations f replica	nmunication and systems. In the second systems of the second syste	PSO2 2 1
R1642051	Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3	Able t adistrib Able t upons Able t distrib	o under o acquiri o acquir	stand the model. The know invironment is a stand the stand the correction of the co	ledge o o o ent an eature: poperatir s poperatir s poperatir s poperatir s poperatir s poperatir s s	n the ch d to sup s and ap ng syster ananisms	plication support constraints of the system	ns of orts the property of the	of pronication programe mid-	potocologo parammini didlew. Ctures PO9 2 2 3	s for interes. Ing mod are layer and im and the	er-procession designation desi	ess comistribute oviding intations freplica	munication and systems. In the systems of the syste	PSO2 2 1 1 3
R1642051	Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4	Able t adistribution of the control	o under o acquir o ac	stand the model: re knowenvironn be the f be the cesource stand the correstand th	perature: s perature: s perature: poperatire s perature distribute to the mediant.	n the ch d to sup s and ap ng syster ibuted fi heir act nanisms	tribute aracter pport co plicatio m supp le syste ions. for cor	ns of orts the means and courre	programe mice mice mice mice mice mice mice mi	potocols on patients of the potocols of the po	s for interest. In many modern and important the property of	er-procession designation desi	ess comistribute oviding intations freplica	munication of systems. In the systems of the system of the systems of the systems of the systems of the system of the systems of the systems of the systems of the system of the systems of the systems of the systems of the systems of the systems of the systems of the system of the systems of the systems of the systems of the systems of the systems of the system of the systems of	PSO2 2 1 3 3 2
R1642051	Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3	Able t adistrib Able t upons Able t distrib	o under o acquiri o acquir	stand the model. The know environment of the stand the	ledge o o nent an eature: eature: s e distriction di	n the ch d to sup s and ap ng syster ibuted fi tibuted fi ractionsms	plication support consumers of the system of	ns of orts the ms and courre	programe mid	potocologo parammini didlew. Ctures PO9 2 2 3	polo	er-procession desired in procession desired	ess comistribute oviding intations freplica	munication and systems. In the systems of the syste	PSO2 2 1 1 3
K164.205.1	Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5	Able t thede: Able t adistri Able t upons Able t upons Able t ofproc Able t distrib	o under o acquir o ac	stand the model. The known price is the control of	eature: poperatir s s edistri poperatir s s edistri poperatir s s edistri a dinate t dinate t dinate a dinate	n the ch d to sup s and ap ng syster sibuted fi cheir act anisms	ribute aracter port cc plicatio m supp le syste ions. for cor	ns of orts the curre	programe mid	potocols on patients of the potocols of patients of the potocols of the potoco	polo	els in di	ess comistribute poviding intations freplica	munication and systems. In the systems with the systems and systems. The systems are systems and systems are systems. The systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems are systems are systems are systems. The systems are systems are systems are systems are systems a	PSO2 2 1 3 3 2 1
R1642051	Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6	Able t thede Able tadistri Able tadistri Able tadistri Able tadistrib Able tadistrib	o under o under o o descributed e o descributed e o descributed e o descributed e o descributed e o descributed e o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o under o o o o under o o o o under o o o o under o o o o o o o o o o o o o o o o o o o	stand the model. The model of the model of	ledge o o ledge o o ledge o o ledge o o ledge o o ledge o o ledge o o ledge o	n the ch d to sup ns and ap ns system substituted fit heir act nanisms	ribute aracter port co plicatio m supp le syste ions. for cor PO6	ns of orts till ems an	PO8	potocols on patients of the pa	polo	er-proceeds in disconnections of the control of the	istribute poviding in the providing is replicated by the providing in the providing is a population of the providing in the providing is a populat	nmunication and systems. In the systems of the syst	PSO2 2 1 3 3 2 1 2 2
R1642051		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able t thede Able t adistribution Able t distr	o under control of the control of th	stand the model. The know invironment is a constant the constant the constant the constant the constant the constant the constant is a constant in co	poperating states and states are states and states are distributed as a state are states and states are states	n the ch d to sup s and ap ng syster ananisms	ribute raracter port co	d systistics symmular in the control of the course of the	programe mid	properties of the properties o	polo	er-proceeds in disconnections of the control of the	istribute poviding in the providing is replicated by the providing in the providing is a population of the providing in the providing is a populat	nmunication and systems. In the systems of the syst	PSO2 2 1 3 3 2 1 2 2
R1642051		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able t distribution of the control o	o under o acquiri buted e o describared ri ri ri ri ri ri ri ri ri ri ri ri ri	stand the model. The know environme be the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than the feather t	poperating some district of many solutions and solutions are solutions as a solution of many solutions are solutions as a solution of many solutions are solutions.	n the ch d to sup s and ap ng syster s and ap ng syster to sup ng syster ng ng syster to sup ng syster to sup ng syster to sup ng syster to sup ng syster to sup ng syster to syster syster ng ng syster to syster to syster to syster ng ng syster ng ng syster ng n	ribute aracter pport co plicatio m supp PO6	PO7	programe mid	properties of the properties o	polo	er-procession designation desi	policies composition of the control	properties of the second secon	PSO2 2 1 1 3 2 1 1 2 2 2 2
R1642051		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able t adistrib Able t upons Able t distrib PO1 2 2 2 2 2 2 2 1 Under	o under o acquiri buted e o describared ri ri ri ri ri ri ri ri ri ri ri ri ri	stand the model. The know environme be the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than the feather t	poperating some district of many solutions and solutions are solutions as a solution of many solutions are solutions as a solution of many solutions are solutions.	n the ch d to sup s and ap ng syster s and ap ng syster to sup ng syster ng ng syster to sup ng syster to sup ng syster to sup ng syster to sup ng syster to sup ng syster to syster syster ng ng syster to syster to syster to syster ng ng syster ng ng syster ng n	ribute aracter pport co plicatio m supp PO6	PO7	programe mid	properties of the properties o	polo	er-procession designation desi	policies composition of the control	nmunication and systems. In the systems of the syst	PSO2 2 1 1 3 2 1 1 2 2 2 2
R1642051		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target	Able t thede: Able t adistri Able t adistri Able t upons Able t distrib PO1 2 2 2 2 2 2 2 2 Under	o under o acquiri buted e o descri buted e o descri o acquiri con conservativa o acquiri por conservativa o under	stand the model. The known vironme be the first open the first op	pperatins see distriction of mar less of m	n the ch d to sup s and ap ng syster s and ap ng syster to sup ng syster ng ng syster to sup ng syster to sup ng syster to sup ng syster to sup ng syster to sup ng syster to syster syster ng ng syster to syster to syster to syster ng ng syster ng ng syster ng n	rit and coment ar	PO7	programe mid	properties of the properties o	polo	er-procession designation desi	policies composition of the control	properties of the second secon	PSO2 2 1 1 3 2 1 1 2 2 2 2
		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able t thedes Able t adistribution of the control o	o under scriptive o acquir buted e o descriptive o descrip	stand the model. The know invironment of the control of the contr	eatures eatures eperating s perating s perating s perating s a a a a a a a a a a a a a a a a a a	re of dis n the ch d to sup mg syster mg syster re of dis POS	tribute aracter port cc plicatio m supp PO6	PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7	programe midirichited programe midirichited programe midirichited programe	procession particular procession particular procession particular procession particular procession particular procession particular procession procession particular procession	policies of solutions of soluti	er-procession desired in procession desired in procession pleamer er role of the procession desired in process	policies composition of the control	properties of the second secon	PSO2 2 1 1 3 2 1 1 2 2
		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 COC CO6 CO1 COC COC COC	Able t thedes Able t adistrib. Able t upons Able t distrib. PO1 2 2 2 2 2 2 2 2 2 2 2 2 2	o under scriptive o acquiri buted e o descri o descri hared ri ro o descri o descri o descri o descri o descri o descri o descri o under o und	stand the model. The know environme be the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates that the feather than coordinates the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than the feat	poperating seatures: PO4 3 3 2 3 1 3 of marales of n	n the ch d to sup s and ap ng system anisms POS	tribute aracter pport co plicatio m supp PO6	PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7	POS POS POS POS POS POS POS POS POS POS	protocols on pate amministration pate amminist	polo polo polo polo polo polo polo polo	er-procession designed and the service of world	PO12 2 2 2 2 2 2 2 2 2 4 8 k study i	properties of the second secon	PSO2 2 1 1 3 2 1 1 2 2
R R1642051	Management Science Distribute Systems	CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	Able t thedes Able t adistrib. Able t upons Able t distrib. PO1 2 2 2 2 2 2 2 2 2 2 2 2 2	o under scriptive o acquiri buted e o descri o descri hared ri ro o descri o descri o descri o descri o descri o descri o descri o under o und	stand the model. The know environme be the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates that the feather than coordinates the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than the feat	poperating seatures: PO4 3 3 2 3 1 3 of marales of n	re of dis n the ch d to sup mg syster mg syster re of dis POS	tribute aracter pport co plicatio m supp PO6	PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7	POS POS POS POS POS POS POS POS POS POS	protocols on pate amministration pate amminist	polo polo polo polo polo polo polo polo	er-procession designed and the service of world	PO12 2 2 2 2 2 2 2 2 2 4 8 k study i	properties of the second secon	PSO2 2 1 1 3 2 1 1 2 2 2 2
		CO1 CO2 CO3 CO4 CO5 CO6 CO1 CO2 CO3 CO4 CO5 CO6 Target CO1 CO2 CO3 CO4 CO5 CO6 CO1 COC CO6 CO1 COC COC COC	Able t thedes Able t adistrib. Able t upons Able t distrib. PO1 2 2 2 2 2 2 2 2 2 2 2 2 2	o under scriptive o acquiri buted e o descri o descri hared ri ro o descri o descri o descri o descri o descri o descri o descri o under o und	stand the model. The know environme be the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than coordinates that the feather than the	poperating seatures: PO4 3 3 2 3 1 3 of marales of n	n the ch d to sup s and ap ng system anisms POS	tribute aracter pport co plicatio m supp PO6	PO7 PO7 PO7 PO7 PO8 PO8 PO9 PO9 PO9 PO9 PO9 PO9	POS POS POS POS POS POS POS POS POS POS	processing an age manage	polonical strategy ment protestr	er-procession designed and the service of world	PO12 2 2 2 2 2 2 2 2 2 4 8 k study i	properties of the second secon	PSO2 2 1 1 3 2 1 1 2 2 2

	ĺ	C03	-	-	-	-	-	-	-	-	2	3	2	2	-	2
		C04	-	-	2	-	-	-	-	-	-	2	3	2	-	2
1	l	C05	-	-	-	-	-	-	-	-	-	2	2	2	-	2
l	İ	C06	-	-	-	-	2	-	-	-	-	2	2	2	-	2
		Target			2		2				2	2.17	2.17	2		2

-							INFORM					OLOGY				
				DEI	PARTIVI	ENT OF	R16 CC				ogi					
		1	Able to	unders	tand tha	t MIS is					effec	tive nla	nning ar	nd contri	ol functions	
		CO1					nent is th									
		1			gering	are thii	ngs done	ny pro	viuing	quiCK	anu ti	mely In	UTEINIO	יוו נט נחפ	-	
		⊢	manag													
		CO2													o successful	
			r .		ınd supp	ort the	increasir	igly app	lied ro	ole of	inform	ation to	echnolo	gy in cor	porate deci	sion
			making													
		соз	Able to	analyze	ecompar	ison of	actual pe	rforma	nce w	ith the	e stand	dard and	d budge	ted perf	ormance, va	ariances
			are bro	ught to	the noti	ice of th	e manag	ement	by MI	S whic	h can	be corre	ected by	taking ı	remedial ste	eps.
			By mak	ing com	naricon	of actu	al nerfor	mance	with th	he sta	ndard	and huc	datad r	oerform:	ance, varian	cos aro
		CO4													edial steps.	ccs arc
		CO5													Internet ted	
															uter systen	
		CO6	Able to	make s	tuaent t	o know	now ivii:	s is neip	itui in	contro	olling c	osts by	giving ii	ntormati	on about id	ie
			time,la	bour tui	rnover, v	wastage	s and los	ses and	surpl	us cap	acity.					
	Ε	ļ														
	Management Information System	\vdash														
	1 S		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	tion		. 01	. 32	. 55		. 55	. 50	. 57	. 53	. 33	. 510	-	. 012	. 301	1 302
	ma.	C01							L	2			2			2
	for	C02			2			2						╷╶┐	2	
	t II	C03								2			2			2
23	ıent	C04					3		Г		2		2	2		2
120	em	C05				2				2				-	2	2
R1642053	ınaş	C06				- -				2			2	2	2	2
~	Ma				2	2	2	2			2		_			
—		Target			2	2	3	2	I	2	2	l	2	2	2	2
			1													
		CO1	Able to	unders	tand the	princip	les and I	aws of	Cyber	Secur	ity					
		CO2	Able to	classify	the vari	ious cyb	er offen:	ses and	their							
		соз	Able to	identify	y cyber c	rimes w	v.r.t mob	ile devi	ces an	d wire	eless n	etworks	6			
		CO4	Able to	use var	ious too	ls to de	tect the	attacks								
		CO5	Able to	explore	Indian	acts of o	yber sec	urity								
		CO6	-				ret cyber		ics							
R1642054	₹															
342	i.															
R16	Sec		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	ē	C01								2			2			2
	₹	C02								2			2		2	
		C03								2			2			2
	ive	COA					3			2						
	ective	C04					3			2			2	2		2
	Elective-III(Cyber Security)	C05					3			2			2	2	2	
	Elective	C05					3						2 2 2	2	2	2 2 2
	Elective	C05					3			2			2			2
	Elective	C05								2			2 2 2	2	2	2 2 2
	Elective	C05 C06 Target	Access	inform	nation in	a varie	3	ys, by	using l	2 2 2	/ colle	ctions a	2 2 2 2	2 2	2	2 2 2 2
	Elective	C05		s informatabase		a varie	3	ys, by i	using l	2 2 2	/ colle	ctions a	2 2 2 2	2 2	2	2 2 2 2
	Elective	C05 C06 Target	and da	atabase	S.		3 ety of wa			2 2 2 library			2 2 2 2 and serv	2 2 vices and	2 2 d other sea	2 2 2 2
	Elective	C05 C06 Target	and da	atabase	S.		3			2 2 2 library			2 2 2 2 and serv	2 2 vices and	2 2 d other sea	2 2 2 2
	Elective	CO5 CO6 Target CO1	and da	nstrate	s. effectiv	e writir	3 ety of wa	y emp	loying	2 2 2 library	us tec	hnique	2 2 2 2 2 2 and serv	2 2 vices and	2 2 d other sea vriting.	2 2 2 2 rch tools
	Elective	CO5 CO6 Target CO1	Demo	nstrate stand th	s. effectiv he role t	e writir	3 ety of wa	oy emp esenta	loying tions	2 2 2 library	us tec	hnique	2 2 2 2 2 2 and serv	2 2 vices and	2 2 d other sea	2 2 2 2 rch tools
	Elective	COS CO6 Target CO1 CO2	Demo	nstrate stand th	s. effectiv he role t	e writir	3 ety of wa	oy emp esenta	loying tions	2 2 2 library	us tec	hnique	2 2 2 2 2 2 and serv	2 2 vices and	2 2 d other sea vriting.	2 2 2 2 rch tools
		CO5 CO6 Target CO1 CO2 CO3	Demoi Under experi	nstrate stand the	effectiv he role t formal/	e writir that efform	3 ety of wa	esenta ntation	loying tions 1.	2 2 2 library vario	us tec	hnique lic/prof	2 2 2 2 2 and serv	2 2 vices and demic v	2 2 d other sea vriting.	2 2 2 2 2 rch tools
		COS CO6 Target CO1	Demoi	nstrate stand the	effective he role to formal/ the abil	e writir that efform	3 ety of wa	esenta ntation	loying tions 1.	2 2 2 library vario	us tec	hnique lic/prof	2 2 2 2 2 and serv	2 2 vices and demic v	2 2 d other sea writing.	2 2 2 2 2 rch tools
	Seminar Elective	CO5 CO6 Target CO1 CO2 CO3	Demoi	nstrate stand the ence in	effective he role to formal/ the abil	e writir that efform	3 ety of wa	esenta ntation	loying tions 1.	2 2 2 library vario	us tec	hnique lic/prof	2 2 2 2 2 and serv	2 2 vices and demic v	2 2 d other sea writing.	2 2 2 2 2 rch tools
		CO5 CO6 Target CO1 CO2 CO3	Demoi Under experi Demoi resear	nstrate stand the ence in nstrate sching sk	effectiv he role t formal/ the abil kills.	e writin that efform ity to co	3 ety of was a skills bective properties of the	esenta ntation te with	loying tions n. other	2 2 2 library vario have i	in pub	hnique lic/prof ork on r	2 2 2 2 2 2 2 2 3 of aca 5 essiona	2 2 2 vices and demic v	2 2 d other sea vriting. xts and gair t, speaking,	2 2 2 2 2 rch tools
		CO5 CO6 Target CO1 CO2 CO3	Demoi	nstrate stand the ence in	effective he role to formal/ the abil	e writir that efform	3 ety of wa	esenta ntation	loying tions 1.	2 2 2 library vario	in pub	hnique lic/prof	2 2 2 2 2 2 2 2 3 of aca 5 essiona	2 2 vices and demic v	2 2 d other sea writing.	2 2 2 2 2 rch tools
		CO5 CO6 Target CO1 CO2 CO3	Demoi Under experi Demoi resear	nstrate stand the ence in nstrate sching sk	effectiv he role t formal/ the abil kills.	e writin that efform ity to co	3 ety of was a skills bective properties of the	esenta ntation te with	loying tions n. other	2 2 2 library vario have i	in pub	hnique lic/prof ork on r	2 2 2 2 2 2 2 2 3 of aca 5 essiona	2 2 2 vices and demic v	2 2 d other sea vriting. xts and gair t, speaking,	2 2 2 2 2 rch tools
		C05 C06 Target C01 C02 C03 C04	and da Demoi	nstrate stand thence in nstrate ching sh	effective he role to formal/the ability.	e writing that efformity to co	3 ety of wa ng skills t ective pr nal prese ollabora	resenta ntation te with	loying tions i. other	2 2 2 2 2 vario have i	nus tec	hnique lic/prof ork on r	2 2 2 2 2 and server so of acadesessional reading	2 2 2 vices and demic val context, writing	2 2 d other sea vriting. kts and gair t, speaking,	2 2 2 2 rch tools
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2	and da Demoi Under experi Demoi resear	nstrate stand til ence in nstrate sching si	effectiv he role t formal/ the abil kills.	that efficient of the control of the	3 ety of was a g skills to ective properties of the properties of	resenta ntation te with	tions other	2 2 2 2 2 2 dibrary vario have i	nus tec	hnique lic/prof ork on r	2 2 2 2 2 and server so of acadesessional reading	2 2 2 vices and demic val context, writing	2 2 2 d other sea vriting. kts and gair , speaking, PSO1 2 -	2 2 2 2 rch tools
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3	and da Demoi Under experi Demoi resear PO1 3 - 3	nstrate stand ti ence in nstrate ching si PO2 2 -	effectiv he role t formal/ the abil kills. PO3	re writing that effort informative to constitute to consti	ag skills bective probable preserved	resenta ntation te with	tions a. other	2 2 2 2 2 vario have i	PO9	hnique lic/prof prk on r PO10 - 3 -	2 2 2 2 2 and servine sof acadessional reading	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 d other sea vriting. kts and gair ,, speaking, PSO1 2 - 3	2 2 2 2 2 rch tools PSO2 2 -
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4	and da Demoi Under experi Demoi resear PO1 3 - 3 - 3 2	nstrate stand ti ence in nstrate ching si PO2 2	effective he role to formal/the ability the ability has been seen as a seen a seen as	PO4 3 - 2	ag skills bective probable preserved	resentantation te with	tions other	2 2 2 2 vario vario have i	PO9 - 3 -	PO10 - 3 - 2	2 2 2 2 2 and servine sof acadessional reading	2 2 2 2 2 3 2 2 3 3	2 2 2 d other sea vriting. kts and gair t, speaking, PSO1 2 - 3 2	2 2 2 2 rch tools PSO2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3	and da Demoi Under experi Demoi resear PO1 3 - 3	nstrate stand ti ence in nstrate ching si PO2 2 -	effective he role to formal/the ability the ability has been seen as a seen a seen as	re writing that effort informative to constitute to consti	ag skills bective probable preserved	resentantation te with	tions other	2 2 2 2 2 dibrary vario vario PO8 - 2 -	PO9	hnique lic/prof prk on r PO10 - 3 -	2 2 2 2 2 and servine sof acadessional reading	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 d other sea vriting. kts and gair ,, speaking, PSO1 2 - 3	2 2 2 2 2 rch tools PSO2 2 -
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4	and da Demoi Under experi Demoi resear PO1 3 - 3 - 3 2	nstrate stand ti ence in nstrate ching si PO2 2	effective he role to formal/the ability the ability has been seen as a seen a seen as	PO4 3 - 2	ag skills bective probable preserved	resentantation te with	tions other	2 2 2 2 vario vario have i	PO9 - 3 -	PO10 - 3 - 2	2 2 2 2 2 and servine sof acadessional reading	2 2 2 2 2 3 2 2 3 3	2 2 2 d other sea vriting. kts and gair t, speaking, PSO1 2 - 3 2	2 2 2 2 rch tools PSO2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4	and da Demoi Under experi Demoi resear PO1 3 - 3 2 2.67	nstrate stand ti ence in nstrate ching si PO2 2 2	effectiv he role t formal/ the abil kills. PO3	PO4 3	3 3 sty of was skills to ective probably present the skills to ective probably present the skills to ective probably present the skills to ective probably t	PO6	PO7	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO9 - 3 - 3 - 3	PO10 - 3 - 2 2.5	2 2 2 2 2 2 2 ind service sof acadessional reading	2 2 2 vices and demic v demic v writing	2 2 2 d other sea vriting. kts and gair t, speaking, PSO1 2 - 3 2	2 2 2 2 2 rcch tools PSO2 2 2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target	and da Demoi Under experi Demoi resear PO1 3 - 3 2 2.67	estabase: Instrate In	effectiv he role t formal/ the abil kills. PO3 orate w	PO4 3 - 2 2.5	3 3 sective properties of th	PO6	PO7	2 2 2 2 2 2 ilibrary vario have i - 2 - 2 ing th	PO9 - 3 - 3	PO10 - 3 - 2 2.5	2 2 2 2 2 2 2 ind servicesional servicesiona servicesiona servicesiona servicesiona servicesiona ser	2 2 2 vices and demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. kts and gair , speaking, PSO1 2 - 3 2 2.33 ct to be dev	2 2 2 2 2 rcch tools PSO2 2 2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target	and da Demon Under experi Demon resear PO1 3 - 3 - 2 2.67 Able to	stand til ence in nstrate ching sl	effective he role to formal/the ability his herose to formal/the ability his herose he	PO4 3 2 2.5	3 3 sty of was a skills to ective probably present the skills to ective probably present the skills to ective probably present the skills to ective probably present the skills to ective probably the skills to ective	PO6	PO7	2 2 2 2 2 ilibrary vario have i rs as tl PO8 - 2 - 2 ing th	PO9 - 3 - 3 - 3	PO10 - 3 - 2 2.5	2 2 2 2 2 2 2 2 ind service sof acadings reading PO11 the soft the check of the check	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. cts and gair yspeaking, PSO1 2 - 3 2 2.33 ct to be devoject.	2 2 2 2 2 rcch tools PSO2 2 2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO1 CO2 CO3 CO4 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	and da Demon Under experi Demon resear PO1 3 - 3 - 2 2.67 Able to	stand til ence in nstrate ching sl	effective he role to formal/the ability his herose to formal/the ability his herose he	PO4 3 2 2.5	3 3 sective properties of th	PO6	PO7	2 2 2 2 2 ilibrary vario have i rs as tl PO8 - 2 - 2 ing th	PO9 - 3 - 3 - 3	PO10 - 3 - 2 2.5	2 2 2 2 2 2 2 2 ind service sof acadings reading PO11 the soft the check of the check	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. cts and gair yspeaking, PSO1 2 - 3 2 2.33 ct to be devoject.	2 2 2 2 2 rcch tools PSO2 2 2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target	PO1 3 - 3 2 2.67 Able to	stand the stand	effectiv he role t formal/ the abil kills. PO3 orate w ate necessoroper d	PO4 PO4 3 2 2.5	3 3 sty of was a skills to ective probably present the skills to ective probably present the skills to ective probably present the skills to ective probably present the skills to ective probably the skills to ective	PO6	PO7 PO7	2 2 2 2 2 2 vario vario have i rs as tl PO8 - 2 - 2 ing th and ddge to	PO9 - 3 3 3 - e requ	PO10 - 3 - 2 2.5	2 2 2 2 2 2 2 2 ind service sof acadings reading PO11 the soft the check of the check	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. cts and gair yspeaking, PSO1 2 - 3 2 2.33 ct to be devoject.	2 2 2 2 2 rcch tools PSO2 2 2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target	and da Demoil Under experii Demoiresear PO1 3 - 3 2 2.67 Able to Able to Able to	nstrate stand ti ence in nstrate PO2 2 2 0 collab p gener p gain p p o test ai	effectiv he role to formal/l the abil title. PO3 orate w ate necoroper d nd deple	PO4 3 - 2 2.5 with tear	3 3 sty of war and skills the ective properties of the skills to the ective properties of the ec	PO6	PO7 PO7	2 2 2 2 iibrary vario have i rs as the POS - 2 2 iing the and dedge to the centation	PO9 - 3 - 3 3 e required cocume to implication.	PO10 - 3 - 2 2.5	2 2 2 2 2 2 s of acadings PO11 tte chief the chief code the	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. cts and gair yspeaking, PSO1 2 - 3 2 2.33 ct to be devoject.	2 2 2 2 2 rcch tools PSO2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO4 Target CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target	and da Demoil Under experii Demoiresear PO1 3 - 3 2 2.67 Able to Able to Able to	nstrate stand ti ence in nstrate PO2 2 2 0 collab p gener p gain p p o test ai	effectiv he role to formal/l the abil title. PO3 orate w ate necoroper d nd deple	PO4 3 - 2 2.5 with tear	3 3 sety of war and skills to the sective properties of the section of the sectio	PO6	PO7 PO7	2 2 2 2 iibrary vario have i rs as the POS - 2 2 iing the and dedge to the centation	PO9 - 3 - 3 3 e required cocume to implication.	PO10 - 3 - 2 2.5	2 2 2 2 2 2 s of acadings PO11 tte chief the chief code the	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. cts and gair yspeaking, PSO1 2 - 3 2 2.33 ct to be devoject.	2 2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO4 Target CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able te Able te Able te	stand the stand	effectiv ne role te formal/ the abil PO3 orate w ate necoroper d nd deple nstrate	PO4 PO4 3 - 2 2.5 2:5 2:5 4:5 4:5 5:5 6:5 7:5 7:5 7:5 8:5 8:5 8:5 8:5 8	3 3 sety of war and skills the sective properties of the sective properties of the section of th	PO6	PO7	2 2 2 2 vario have i s as tl POS - 2 - 2 ing th and ddge to entatio y with	PO9 - 3 - 3 3 neces	PO10 PO10 - 3 - 2 2.5 2.5	2 2 2 2 2 2 2 ind servine sof acadiessional reading PO11	2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. kts and gain y, speaking, PSO1 2 2 2.33 ct to be developed. cation.	2 2 2 2 2
		CO5 CO6 Target CO1 CO2 CO3 CO4 CO4 Target CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target	and da Demoil Under experii Demoiresear PO1 3 - 3 2 2.67 Able to Able to Able to	nstrate stand ti ence in nstrate PO2 2 2 0 collab p gener p gain p p o test ai	effectiv he role to formal/l the abil title. PO3 orate w ate necoroper d nd deple	PO4 3 - 2 2.5 with tear	3 3 sety of war and skills to the sective properties of the section of the sectio	PO6	PO7	2 2 2 2 vario have i s as tl POS - 2 - 2 ing th and ddge to entatio y with	PO9 - 3 - 3 3 e required cocume to implication.	PO10 - 3 - 2 2.5	2 2 2 2 2 2 2 ind servine sof acadiessional reading PO11	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5	2 2 2 d other sea vriting. cts and gair yspeaking, PSO1 2 - 3 2 2.33 ct to be devoject.	2 2 2 2 2 rcch tools PSO2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO4 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5 CO5	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able to Able to Able to	stand the stand	effective erole terole terole terole erole terole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole erole terole terole terole erole terole terole terole erole terole terole terole erole terole terole terole erole terole terole erole terole terole terole erole terole terole terole erole terole terole terole erole terole terole terole erole terole terole terole erole terole terole terole terole erole terole terole terole terole erole terole terole terole terole erole terole terole terole terole erole terole terole terole terole terole erole terole terole terole terole terole erole terole terole terole	PO4 PO4 PO4 PO4 PO4 PO4	3 sty of was g skills to ective probably present the probably pro	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7 PO7	2 2 2 2 ilibrary vario have i s as tl PO8 PO8 PO8 PO8	PO9 PO9 PO9 PO9 PO9	PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	2 2 2 2 2 2 2 ind service sof acadessional reading PO11	2 2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5 see projectors applice PO12	2 2 2 d other sea vriting. Acts and gair 2 - 3 2 2.33 act to be developect. cation.	2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5 CO4 CO5 CO1	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able te Able te Able te	stand the stand	effectiv me role to formal/ the abil the abil post of the	PO4 PO4 3 - 2 2.5 2.5 PO4 PO4 3 2 2.5 PO5 PO5 PO6 PO7 PO7 PO7 PO7 PO7 PO7 PO7	3 3 sety of war and skills the sective properties of the sective properties of the section of th	PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6 PO6	PO7 PO7 PO7 PO7 PO7	2 2 2 2 vario have i rs as the result of the	PO9 - 3 - 3 3 neces	PO10 2 2 2.5 PO10 PO10 PO10 PO10 PO10 PO10 PO10 PO10	2 2 2 2 2 2 3 s of aca reading PO11	2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5 PO12 PO12 2	2 2 2 d other sea vriting. kts and gain yspeaking, PSO1 2 2 3 2 2.33 ct to be developed. cation.	2 2 2 2 2 2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able te Able te Able te Able to Able to Able to	restrate stand the stand t	effectiv me role te formal/ the abil the abil the abil post of the abil the	PO4 3 - 2 2.5 Pohl team of the product of the p	3 3 weeklist ty of was a skills the ective prosess and sective prosess and section prosess and section prosess and language reject constant and language reject c	PO6	PO7 PO7 PO7 A 3 A 3	2 2 2 2 2 ilibrary vario have i s as tl PO8 - 2 - 2 - 2 ing th and dd dge tc ntatic y with PO8 2 2	PO9 - 3 3 3 3 3	PO10 PO10 - 2 2.5 2.5 PO10 PO10 - 3 - 2 - 2 - 3 - 3 - 2 - 3	2 2 2 2 2 2 ind servine servin	2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5 PO12 PO12 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 2 d other sea vriting. Ats and gair pso1 2 2 2 2.33 ct to be developect. ation.	2 2 2 2 2 2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able tr Able tr Able tr Able tr 1 1 1 1	stand the stand	effectiv he role to formal/ the abil his below the post of the pos	PO4 3 - 2 2.5 with team essary comman a opy the p the pro PO4 3 2 2.5	3 Begin and language or open	PO6	PO7	2 2 2 2 2 ilibrary vario have i rs as tl PO8 - 2 2 ling th ddge td ddge td contatic y with PO8 2	PO9 - 3 3 3 3 e requ	PO10 2 2.5 2.5 PP010 PP0	2 2 2 2 2 2 2 ind servicesional servicesiona	2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5 PO12 PO12 2	2 2 2 d other sea vriting. Ats and gair	2 2 2 2 2 2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able te Able te Able te Able to Able to Able to	stand the stand	effectiv me role to formal/ the abil kills. PO3	PO4 3 - 2 2.5 with tear essary of opening and a second	POS POS and many skills the ective probable presection of the presection of the probable presection of the probable pr	PO6	PO7	2 2 2 2 2 ilibrary vario have i s as tl PO8 - 2 - 2 - 2 ing th and dd dge tc ntatic y with PO8 2 2	PO9 - 3 3 3 3 3	PO10 PO10 - 2 2.5 2.5 PO10 PO10 - 3 - 2 - 2 - 3 - 3 - 2 - 3	2 2 2 2 2 2 ind servine servin	2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5 PO12 PO12 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 2 d other sea vriting. Ats and gair psol 2 2 2 3 2 2 2 3 ct to be developet. ation.	2 2 2 2 2 2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO1 CO2 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5 CO3 CO4 CO5	and da Demoi Under experi Demoi resear P01 3 - 3 2 2.67 Able tr Able tr Able tr Able tr 1 1 1 1	stand the stand	effectiv he role to formal/ the abil his below the post of the pos	PO4 3 - 2 2.5 with team essary comman a opy the p the pro PO4 3 2 2.5	3 Begin and language or open	PO6	PO7	2 2 2 2 2 ilibrary vario have i rs as tl PO8 - 2 2 ling th ddge td ddge td contatic y with PO8 2	PO9 - 3 3 3 3 e requ	PO10 2 2.5 2.5 PP010 PP0	2 2 2 2 2 2 2 ind servicesional servicesiona	2 2 2 vices and demic v demic v writing PO12 3 2 2 3 2.5 PO12 PO12 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 2 d other sea vriting. Ats and gair	2 2 2 2 2 2 2 2 2 2
	Seminar	CO5 CO6 Target CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 Target CO1 CO2 CO3 CO4 CO5 CO3 CO4 CO5 CO5 CO4 CO5 CO5 CO4 CO5 CO5 CO5 CO5 CO5 CO6 CO6 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7 CO7	and da Demoi Under experi Demoi 3 - 3 2 2.67 Able to Able to Able to Able to Able to 1 1 1 1	stand the stand	effectiv me role to formal/ the abil kills. PO3	PO4 3 - 2 2.5 with tear essary of opening and a second	POS POS and many skills the ective probable presection of the presection of the probable presection of the probable pr	PO6	PO7	PO8 - 2 - 2 - 2 - 2 - 2 - 2 - 2 2 2	PO9 - 3 3 3 3 3 3	PO10 - 3 - 2 2.5 2 2.5 PP010 - PP010	2 2 2 2 2 2 2 2 ind servicesional servicesio	2 2 2 vices and demic v vices	2 2 2 d other sea vriting. Ats and gair psol 2 2 2 3 2 2 2 3 ct to be developet. ation.	2 2 2 2 2 2 2 2 2 2

П		