Respon													1	
se														
numbe														
r	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Agree	Agree		Agree	Neutral	Agree	Agree	Agree	Agree	Neutral	Agree	Agree	Agree	Agree
2	Agree	Agree Disagre	Agree	Agree	Agree	Agree	Agree Neutra	Agree						
3	Agree	Agree	Disagree	Agree	Agree	Agree	Agree	e	Disagree	Agree	Agree	Agree		Agree
4	Agree	Agree	Agree	Agree	Agree	Neutral	Neutral	Agree	Agree	Neutral	Agree	Neutral	Agree	Agree
5	Agree	Neutral		Agree	Agree	Agree	Agree	Agree	Neutral	Agree	Neutral	Agree	Agree	Agree
	Strongly			Strongly	Strongly									
6	Agree	Agree		Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree		Agree
7	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
8	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
9	Agree	Agree	Agree	Agree	Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Disagree	Neutral	Strongly Disagree	Neutral	Neutra I	Neutral
10	Agree	Neutral	Agree	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Agree	Agree	Neutral	Neutra I	Neutral
11	Agree	Agree	Agree	Neutral	Agree	Agree	Agree	Agree						
12	Agree	Neutral	Agree	Agree	Neutral	Agree	Agree	Neutral	Neutral	Agree	Agree	Agree	Agree	Agree
		Strongly	Strongly				Strongly	l					Disagr	
13	Disagree	Disagree	Disagree			Disagree	Disagree			Neutral	Neutral	Disagree		Neutral
14 15	Agree	Agree	_	Agree	Agree	Agree	Neutral	Agree Agree	Agree	Agree Agree	Agree	Agree	Agree	Agree
16	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree						
17	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
	0	0	J	0	0	0	0	0 11	0	0 11	<u> </u>	1 181 0 0	Strong	0
18	Strongly Agree	Strongl y Agree	_	Strongly Agree	Strongly Agree	Strongly	ly Agree	Strongly Agree						
19	Agree	Agree	Neutral	Agree	Agree	Agree	Agree	Agree	Strongly Agree	Agree	Agree	Agree	Agree	Agree
20	Agree	y Agree	Agree	Agree	Agree	Strongly		Agree						
21	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
22	Agree	y Agree	Agree	Agree	Agree	Agree	ly	Agree						
23	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
24	Agree	y Agree	Agree	Agree	Agree	Strongly	ly	Agree						
25	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
26	Agree	Agree	Neutral	Agree	Agree	Agree	Agree	Agree						
27	Agree	Agree	Agree	Agree	Agree	Neutral	Agree	y Agree	Agree	Agree	Agree	Agree	Agree	Agree
28	Agree	Neutral	Agree	Agree	Agree	Neutral	Agree	Agree	Agree	Neutral	Agree	Agree	Agree	Neutral
29 30	Agree Agree	Neutral Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree	Agree Agree
31	Neutral	Agree	Neutral	Agree	Agree	Neutral	Neutral	Agree	Agree	Neutral	Agree	Agree	Agree	Neutral
32	Agree	Agree	Agree	Agree	Agree	Strongly	Agree	Agree						
33	Agree	Disagree	Agree	Agree	Agree	Agree	Neutral	Neutral	Agree	Agree	Agree	Agree	ı	Agree
34	Agree	Agree	Agree	Agree	Agree	Agree	Neutral	Agree	Agree	Agree	Agree	Agree	l	Agree
35	Neutral	Agree	Neutral	Agree	Disagree	Neutral	Neutral	Neutral	Disagree	Agree	Agree	Neutral	Agree	Neutral
36	Agree	Agree	Agree	Agree	Agree	Agree	Neutral	Neutral	Agree	Agree	Agree	Agree	I	Agree
37	Agree	Agree	Neutral	Agree	Agree	Agree	ly	Agree						
38	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
39	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
40	Neutral Agree	Neutral		Disagree		Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Δgroc	Neutral
41 42	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Agree						
43	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
44	Agree	Neutral	Agree	Agree	Agree	Agree	Disagree	Agree	Agree	Agree	Agree	Agree	Agree	Neutral
		Neutral				Agree						Neutral		Neutral
46	Agree	y Agree	Agree	Agree	Agree	Strongly	ly	Agree						
47	Agree	y Agree	Agree	Agree	Agree	Strongly	ly	Agree						
48	Agree	y Agree		Agree	Agree	Strongly		Agree						
49	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
50	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
51	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
52 53	Agree Agree	Agree Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree Agree	Agree Agree	Agree	Agree	Agree	Agree
54	Agree	Neutral	Agree Agree	Agree Agree	Agree Agree	Agree Agree	Agree Neutral	Agree Neutral	Agree Neutral	Agree Agree	Agree Agree	Agree Neutral	Agree I	Agree Neutral
55	Neutral	Neutral	Agree	Agree	Agree	Agree	Neutral		Neutral	Agree	Neutral	Agree	<u>'</u>	Agree
56	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree						
- -	5 - 7	_ J	5 - 5	J	J - 7	J	<u> </u>	J. 35	<u> </u>	J	J	J	J. 22	J

57														
1	Agree	Agree	Agree	Agree	Agree	Agree	Agree	y Agree	Agree	Agree	Agree	Strongly	ly	Agree
58	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Neutral	Agree	Agree	Agree	Agree	Agree	Agree
59	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree
60	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Strongly	ly	Agree
Q.1	You can a	apply the kn	owledge	of mathem	atics, scie	nce, engine	ering fund	amental	s, and an	engineerir	ng speciali	ization to	the sol	ution of cor
	You can i	dentify, for	nulate, re	view resea	rch litera	ture, and a	nalyze com	plex eng	ineering p	roblems r	eaching s	ubstantia	ited con	clusions
Q.2	using firs	t principles	of mathe	matics, nat	ural scien	ces, and en	gineering s	ciences						
		design soluti					_	•	-	•			-	ed needs
Q.3	+	ropriate con					•							
		use researcl		•			ds including	g design	of experin	nents, ana	lysis and	interpret	ation of	data, and
Q.4	synthesis	of the info	mation to	provide v	alid concl	usions.								
	You can o	You can create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and												
1		•	c, aa. a.p.	ory appropr	iace teein	iliques, res	ources, and	illoueil	engineer	ilig allu II	toois ilici	duing pro	aiction	anu
Q.5		to complex				-			_	ilig allu II	toois iiici	dunig pre	diction	and
Q.5	modeling	g to complex	engineer	ing activiti	es with ar	understar	nding of the	limitati	ons.					
	modeling You can a	to complex apply reasor	engineer	ing activition	es with ar	n understar al knowled	nding of the ge to asses	e limitati s societa	ons.					
Q.6	modeling You can a	g to complex	engineer ning inform bilities re	ing activition in the deviage the deviage to the deviage the devia	es with ar contextune profess	n understar al knowled ional engir	nding of the ge to asses	e limitati s societa	ons.					
Q.6 Q.7	Modeling You can a conseque knowledge	to complex apply reasor ent responsi	engineer ning inform bilities re need for su	ing activition med by the levant to the stainable d	es with ar contexture ne profess levelopme	n understar al knowled sional engir ent.	nding of the ge to asses neering pra	e limitati s societa ctice.	ons. II, health,	safety, leg	al and cu	ltural issu	ies and	
Q.6 Q.7 Q.8	Modeling You can a conseque knowleda You can a	to complex apply reasor ent responsi ge of, and no	engineer ning inform bilities re eed for su I principle	med by the levant to the stainable des	es with ar contextu- ne profess levelopme mit to pro	n understar al knowled ional engir ent. fessional e	nding of the ge to asses neering pra thics and re	e limitati s societa ctice. esponsib	ons. II, health, ilities and	safety, leg	al and cu	Itural issu	es and	
Q.6 Q.7	Modeling You can a conseque knowledg You can a	g to complex apply reasor ent responsi ge of, and no apply ethica	engineer ning inform bilities re eed for su I principle ectively as	med by the levant to the stainable des and coming an individ	es with ar contextu- ne profess evelopme mit to pro ual, and a	n understar al knowled sional engir ent. fessional e s a membe	nding of the ge to asses neering pra thics and re er or leader	e limitati s societa ctice. esponsib in divers	ons. II, health, ilities and se teams,	safety, leg norms of and in mu	al and cu the engin	Itural issuneering properties	actice.	the
Q.6 Q.7 Q.8	Modeling You can a conseque knowleda You can a You can f	g to complex apply reasor ent responsi ge of, and no apply ethica function effe	engineer ing inform bilities re eed for su principle ectively as e effectiv	med by the levant to the stainable des and coming an individual ely on eng	es with ar contextu- ne profess levelopme mit to pro ual, and a ineering a	n understar al knowled sional engir ent. fessional e s a membe activities w	nding of the ge to asses neering pra thics and re er or leader ith the eng	e limitati s societa ctice. esponsib in divers	ons. II, health, Ilities and se teams, communi	norms of and in mu	the engin	Itural issu neering pr nary setti at large,	actice.	the
Q.6 Q.7 Q.8 Q.9	You can a conseque knowledge You can a You can for You can can be able to conseque to cons	g to complex apply reasor ent responsi ge of, and no apply ethica function effe communicat	engineer ning inform bilities re eed for su principle ectively as e effectiv and write	med by the levant to the stainable des and coming an individuely on eng	contexture profess evelopment to proud al, and a ineering a	n understar al knowled sional engir ent. fessional e s a membe activities w d design de	ge to asses neering pra- thics and re er or leader ith the eng	e limitati s societa ctice. esponsib in divers ineering on, mak	ons. II, health, Ilities and se teams, communice effective	norms of and in muty and wite presenta	the engin	ltural issumeering properties at large, so	actice. ngs. such as,	the being
Q.6 Q.7 Q.8 Q.9	Modeling You can a conseque knowledg You can a You can f You can c able to co	g to complex apply reasor ent responsi ge of, and no apply ethica function effe communicat omprehend	engineer ning inform bilities re eed for su principle ectively as e effectiv and write knowled	med by the levant to the stainable des and coming an individually on engage effective rules and uncoming and	es with ar contextu- ne profess evelopme mit to pro ual, and a ineering a eports an derstandir	n understar al knowled ional engir ent. fessional e s a membe activities w d design do ng of the er	ge to asses neering pra- thics and re er or leader ith the engo ocumentating ineering a	e limitati s societa ctice. esponsib in divers ineering on, make	ons. II, health, Ilities and se teams, communi e effective	norms of and in muty and with presenta	the engin	ltural issumeering properties at large, so	actice. ngs. such as,	the being
Q.6 Q.7 Q.8 Q.9	You can a conseque knowledge You can a You can a able to co you can a as a mem	g to complex apply reason ent responsi ge of, and no apply ethica function effe communicat omprehend demonstrate	engineer ing information bilities re eed for su principle ectively as e effective and write knowled der in a to	med by the levant to the stainable des and coming an individual ely on engular effective relige and unce am, to ma	contexture profess evelopment to proual, and a ineering a eports an lerstandir nage proj	n understar al knowled cional engir ent. fessional e s a membe activities w d design do ng of the er ects and in	ge to asses neering pra- thics and re er or leader ith the engi ocumentati ngineering a multidiscip	e limitati s societa ctice. esponsib in divers ineering on, make and man	ons. II, health, ilities and se teams, communi e effective agement nvironme	norms of and in muty and wite presenta principles	the engin Itidisciplii h society tions, and and apply	ltural issumeering properties at large, so displayed and these to	actice. ngs. such as, I receive	being e wn work,
Q.6 Q.7 Q.8 Q.9 Q.10	You can a conseque knowledge You can for You can for You can for You can for able to conseque You can for you can	apply reasorent responsing of, and no apply ethical function effection municate omprehend demonstrate ober and lea	engineer sing information bilities re eed for su principle ectively as e effective and write knowled der in a to e need fo	med by the levant to the stainable des and coming an individual ely on engular effective relige and unce am, to mar, and have	es with ar contextu- ne profess evelopme mit to pro ual, and a ineering a eports an derstandir nage proj	n understar al knowled ional engir ent. fessional e s a membe activities w d design de ng of the er ects and in	nding of the ge to asses neering pra- thics and re er or leader ith the engo ocumentation ingineering a multidiscip	e limitati s societa ctice. esponsib in divers ineering on, make and man olinary ee	ilities and se teams, communie effective agement privironment indepen	norms of and in muty and wite presenta principles	the engin Itidisciplii h society tions, and and apply	ltural issumeering properties at large, so displayed and these to	actice. ngs. such as, I receive	being e wn work,
Q.6 Q.7 Q.8 Q.9 Q.10 Q.11 Q.12	You can a conseque knowledge You can for You have	g to complex apply reasor ent responsi ge of, and no apply ethica function effe communicat omprehend demonstrate aber and lea recognize th	engineer sing informations bilities re eed for su principle ectively as e effective and write knowled der in a to e need fo olving abi	med by the levant to the stainable des and common end on engular effective range and under, and have lity using a	es with ar contextu- ne profess evelopme mit to pro ual, and a ineering a eports an derstandir nage proj	n understar al knowled ional engir ent. fessional e s a membe activities w d design de ng of the er ects and in	nding of the ge to asses neering pra- thics and re er or leader ith the engo ocumentation ingineering a multidiscip	e limitati s societa ctice. esponsib in divers ineering on, make and man olinary ee	ilities and se teams, communie effective agement privironment indepen	norms of and in muty and wite presenta principles	the engin Itidisciplii h society tions, and and apply	ltural issumeering properties at large, so displayed and these to	actice. ngs. such as, I receive	being e wn work,