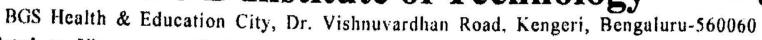
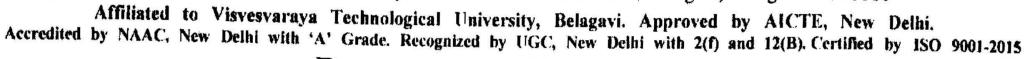


S J B Institute of Technology





Department of Mathematics

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject:	Calcu	lus and	linear	algebr	a			· · · · · ·		Subj	ect Co	de: 18	TAM	`11	
				· · · · · · · · · · · · · · · · · · ·		Cour	se Out	comes			-				
CO1	App in de	ly the letermin	cnowle	dge of bendi	Calculing of a	lus to s	olve p	roblem	s relat	ed to po	olar cu	rves an	d its a	applic	ation
CO2													tivari	ate	, , , , , , , , , , , , , , , , , , ,
CO3	Appl	ly the c	oncept	of cha	ange of	order	of inte	gration	and v	ariable	1272		multij	ole	
CO4	A STATE OF THE PARTY OF THE PAR										ly usin	g stand	dard r	netho	ds
CO5	1				d for n	natrix	diagon	alizatio	on proc		and co	ompute	eige	n valu	ies
<u> </u>	T				C	V- 945		Mappir	1g						
COs		, -	,			P	Os	_	,	,		,	<u> </u>	PSO	8
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2													
CO ₂	3	2													
CO ₃	3	2).i							
CO4	3	2													
CO5	3	3 2 3 2 3 2 3 2 3 2 3 2													
Average	3	2													

Subjec	t: Advanced Calculus and Numerical Methods	Subject Code: 18MAT21
	Course Outcome	S
CO1	Ill ustrate the application of multivariate calculus to vectors and also exhibit the interdependence of line,	
CO2	Demonstrate various physical models through highe linear ordinary differential equations and solve linear	i. ■
CO3	Construct a variety of partial differential equations a separation of variables	nd solutions by exact methods/method of
CO4	Explain the application of infinite series and obtain sequations	*# <u>*</u>
C05	Apply the knowledge of numerical in the modeling of	of various physical and engineering phenomen

		· · · · · · · · · · · · · · · · · · ·			(CO-PC)-PSO	Mapp	ing	· ····································	فالواف الراهد اطفهاندار	e and a second property of the		glan - Barton dig and an area of 1950	
00							Os		e pr palifilar (t. m. p. t. part)		COLD HANGE			PSOs	
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2			*12-0-										
CO2	3	2						1							
CO3	3	2													
CO4	3	2													
CO5	3	2													
Average	3	2													

HOD

Dr. Padmaja Venugopal, Ph.D.
Professor and Head

Professor and Head
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Uttarahalli Road, Kengeri, Bangalore-60.

S J B Institute of Technology

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Department of Physics

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject:	Engin	eering	Phys	ics						Sub	ject (ode:1	8PH	Y 12/2	2
		H-970000 - 970		2.20			e Out								
	Unc	derstar	nd var	ious t	ypes	of osc	illatio	ns an	d their	impl	ication	ns, the	role	of Sho	ock
CO1						recog	gnize 1	the ela	astic p	roper	ties of	mater	rials f	or	
		neerin									- (1	1	•	. C 11	
G05	Real	lize the	e inter	relati	on be	tween	time	varyii	ng ele	ctric I	ield a	nd ma	gnetic	c Hela	•
CO2	1				of the	EM v	vaves	and t	heir ro	ole in	optica	l fiber			
		munic						<u> </u>					ortial	00.1101	
CO3											suball	omic p	artici	CS USI	ng
		e inde	5								and	warki	og of	differ	ent
CO4											i anu	workii	ig oi	unici	Cit
· · · · · ·		s of la									ika co	nduct	ore		
CO5		icondi					-						013,		
	30111	COIIG	101013	and c			PSO			010110				· · ·	
		W 120	- Institute	<u>.</u>		_	Os	PF	11116				× 51 0	PSOs	
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2	2		The OPPOSIT											
CO2	2	2											37 157		
CO3	2	1													
CO4	2	2													
CO5	2	2													
Average	2	1.8													

Subject:	Engin	eerin	g Phy	sics l	Lab					Subj	ect C	ode:	18PH	YL16	/26
						Cours	e Out	tcome	s					2-20-2	
CO1	App	rehen	d the	conce	pts of	elasti	city a	nd Re	sonan	ce.					
CO2					omen										
CO3					ergy a	nd ma	agneti	c effe	ct of e	nducto lectric			dielec	trics a	and
					CO	-PO-	PSO	Mapp	oing	· · · · · · · · · · · · · · · · · · ·					
					_	P	Os							PSOs	}
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3			3			W 5165 1								
CO2	3			3											
CO3	3			3											
COS	_		The state of the s	A comment of the comm											

TO 210 HOD

Head of the Department

Department of Physics

SJB Institute of Technology

BGS Health & Education City

Kengeri, Bangalore-560 060



S J B Institute of Technology BGSHealth&EducationCity, Dr. VishnuvardhanRoad, Kengeri, Bengaluru-560060



Department of Chemistry

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject:	Engine	ering (Chemis	try		·	•			Subj	ect Co	de:180	HE12	/22	
							CONTRACTOR NOTES AND ADDRESS A	tcome	The second second						
CO1	analy	ze eng	ineerin	g prob	lems re	elated t	o corre	osion, r	netal fi	inishin	g	ical en			
CO2	Appl	y the k	nowled	lge for	produc	ction a	nd co	nsumpt	ion of	energy	availa	ble in c	liffere	nt form	l.
CO3	Ident	ifying i	the pre	sence (of chen	nical s _l	pecies	causing	Envir	onmen	tal pol	lution a	ind the	ir	
CO4	Study	of ins	trumer	ntal me	thods 1	for che	mical a	nalysis	and n	ano sca	ale mat	erials.			····
		2	99	·	(CO-PC)-PSO	Mapp	ing						
COs								POs						· · · · · · · · · · · · · · · · · · ·	
COs	1	2	3	4	5	6	7	8	9	10	11	12			<u> </u>
CO1	3														
CO2	3														
CO3							2								<u> </u>
CO4	3														<u> </u>
Average	3		1/200720-				2							<u> </u>	<u></u>

Subject:	Engine	ering (Chemis	stry La	b					S	ubject	Code:	18CH	EL16/2	6
								tcome							
CO1	mate	rials in	volved	for qu	ick and	d accur	ate res	ults.				mall qu			
CO2	Carry comp	ing ou parative	t differ	rent typre quar	ntities c	f mate	rials in	volved	for go	oncern od resi	ed in rults.	naterial	s usin	g 	
						CO-PC	<u> </u>	Mapp	ing		w				
~~			429					POs	···			·			
COs	1	2	3	4	5	6	7	8	9	10	11	12			
CO1	2														
CO2	2														
Average	2							<u> </u>							

Department of Chemistry SJB Institute of Techonologs BGS Health & Education City Kengeri, Bangalore - 560 000



|| Jai Sri Gurudev || Sri Adichunchanagiri Shikshana Trust (R)

SJB Institute of Technology

(A Constituent of BGS &SJB Group of Institutions and Hospitals)
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Department of Electrical & Electronics Engineering

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II (Aca. Year 2018-19)

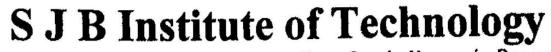
Subject:	Basic Ele	ectrica	l Eng	ineer	ing			- Janes	-	Sub	ject	Code:	18E	LE13/2	23
			V. 4.1		WE.	Cour	rse O	utcon	nes		J 174	C. Ship			
COI	To under	erstan e prol	d the blems	basic relat	conced to	epts o	of DC	, AC	circui uits.	ts and	Elec	trical	Mach	nines a	nd able to
CO2	Analysi alternat circuits	is of S ing qu	ingle	Phase	e and	three	phase	e AC	Circu	its an	d the	repres er para	sentat	tion of	iese
CO3	Apply the desi	he bas	sic kn arame	owled	dge of	f matl	hemat e chai	ics, s	cience	e and	electr	ical er	ngine	ering t	o obtain Machines
CO4	Conduction domest	et a stu	ıdy oı	n safe	ty asp	ects,	wirin	g and	cons	umpti	on of	electr	ical p	ower	in
					C	O-PO	-PSC	Maj	ping				701		
COs						PO		12.1	492	7.36				PS	Os
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2		alt.						Total 1		a de la composição de l		124	
CO2	3	2			1								11.61		
CO3	3	2				1									
CO4	2	12.0				2		2							
COT	_														

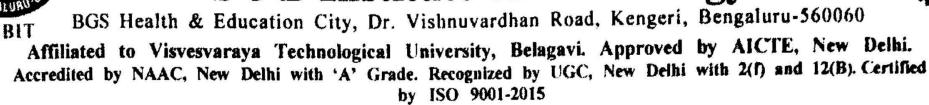
Subject	: Bas	ic Elec	ctrical	Engi	neerin	ig Lab				Sub	ject C	ode:	18EL	EL17/	27
						Co	urse	Outco	omes						
CO1	Ide	ntify tl ductin	he con	nmon erime	elect	rical c the el	ompo	nents al lab	and m	neasuri y.	ing in	strume	ents u	sed for	
CO2	Cor	npare	power	rfacto	or of l	amps.									
CO3		remine impedance of an electrical circuit and power consumed in a 3-phase load. The sermine earth resistance and understand two way and three-way control of lamps													
CO4	Det	etermine impedance of an electrical circuit and power consumed in a 3-phase load. Etermine earth resistance and understand two way and three-way control of lamps. CO-PO-PSO Mapping													
			4 16	T. Kin		CO-I	PO-PS	SO M	appin	g		Market .	- Citter C	or in	inps.
Cos							os							PS	Os
Cos	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2				1			1	1					
CO2	3	2				1	din.		1	1					X
CO3	3	2				1			1	1					
CO4	3	2				1			1	i					
					-	-		-				1			

Co-ordinator Mr. Kubera U

Dr. Babu N V

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BGS Health & Education City,
Kengeri, Bengaluru-560 060.





Department of Information Science and Engineering

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject: (Prog	ramm	ing fo	or Pro	blem	Solvi	ng			Subj	ect C	ode:	8CPS	\$13/23	3		
						Cours											
CO1	Achi	eve th	e kno	wledg	ge of o	comp	iter pa	arts, g	enerat	ion ar	nd net	worki	ng.				
CO2	Unde	erstan	d basi	c prin	ciples	of pr	ogran	nming	g in c l	angua	ge.						
CO3	Desi	gn and	and development of modular programming skills. ve utilization of memory using pointer technology. stand the basic concepts of recursion and preprocessor directives. CO-PO-PSO Mapping														
CO4	Effec	ctive u															
CO5	Und	erstan	d the	basic	conce	pts of	recui	rsion	and pro	eproce	essor	directi	ves.				
······································					CO	-PO-	PSO :	Mapı	oing								
						P	Os							PSOs			
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2_	3		
CO1	2											2_			 		
CO2		2	2										e de la companya de l				
CO3		2													<u> </u>		
CO4			2						2		ļ			<u> </u>			
CO5			2					1	2						<u> </u>		
Average	2	2	2						2		<u> </u>	2			<u> </u>		

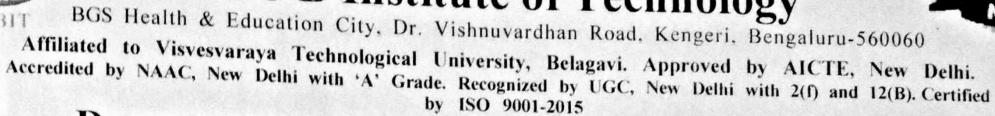
Subject: (C Pro	gramm	ing lab	(ISE)						Subj	ect C	ode:	18CP	L17/	27
		•			Cou	ırse (Outco	mes							<u> </u>
CO1	state	erstand ements	and lo	oping o	once	ots.			245 62 42				onal		
CO2	Den	nonstra	te and	implen	nent a	pplic	ations	usin	g arra	ys and	strin	igs.			
CO3	App	ly kno	wledge	on fur	ection	s, rec	ursio	ns, po	inters	and s	tructi	ures.			
				(CO-P	O-PS	<u> </u>	appir	ıg	MOS MORNE O					······································
						Pos	} 			,				PSO ₈	
Cos	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2	2	2						ļ				 -	ļ
CO2	3	3	2	2				<u></u>					ļ		
CO3	3	3	3	3	1	40 TO 10		<u> </u>		<u> </u>		ļ	<u> </u>		 -
Average	3	2.67	2.33	2.33	1.0				<u>L</u> .				<u> </u>		<u>L</u>

Head of the Department

Dept. of Information Science & Engineering S.J.B. Institute of Technology

Kengeri, Bangalore-560 C30

S J B Institute of Technology



Department of Computer Science and Engineering

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject: (C Prog	gramn	ning f	or Pro	blem	Solvi	nø			Sub	iect C	ode:	18CD	C12/2	2	
						Cours		teome	10	, Sub	jeere	ouc.	IOCF	313/2	3	
CO1	Expl	oring	the co	oncen	s of	comp	iters	and n	roblen	a colv	ing cl	:110				
CO2	Unde	erstan	d basi	c prin	cinles	of pr	Corar	nmin	g in c	lanaue	ing sk	.1115				
CO3	Desi	gn an	d deve	elonm	ent of	mod	ular n	roore	g III C	rangua o okili	ige.					
CO4	Effe	ctive	tand the basic concepts of recursion and pre-processor directives.													
CO5	Und	erstan	rstand the basic concepts of recursion and pre-processor directives. CO-PO-PSO Mapping													
					CO	-PO-	PSO	Mani	ning	С-ргос	<i>(</i> 23301	unce	uves.			
COs							Os		,s					PSOs		
COS	1	2	3	4	5	6	7	8	9	10	11	12	1	2		
CO1	2									10		2				
CO2		2	2									2				
CO3		2														
CO4	111		2						2							
CO5			2						2							
Average	2	2	2						2			2				

Subject: (C Pro	gramm	ing lab	(ISE)						Sub	ect C	ode:	18CP	L17/	27
					Co	urse	Outco	mes							
CO1		derstand ements					ole app	olicati	ions i	n C us	ing co	onditi	onal		
CO2	Der	nonstra	te and	impler	nent a	pplic	ations	susin	g arra	ys and	d strin	gs.			
CO3	App	oly kno	wledge	on fu	nction	s, rec	ursio	ns, po	inters	and s	tructi	ires.			
					CO-P	O-PS	SO M	appir	ng						
						Pos	3							PSOs	
Cos	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2	2	2											
CO2	3	3	2	2											
CO3	3	3	3	3	1										
Average	3	2.67	2.33	2.33	1.0										

Head of the Department
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S J B Institute of Technology

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Department of Electronics and Communication Engineering

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject:	Ba	sic El	ectro	nics				· · · · ·	<u>-</u> -	Sub	ject (Code:	18E	LN14	/24
	<u> </u>	<u> </u>			(Cours	e Ou	tcom	es				, ************************************	•	
CO1	Desc prin	Describe the operation of diodes, BJT and FET. Describe general operating principles of SCR's and its application													g
CO2	Desi	Design and explain the construction of rectifiers, regulators, amplifiers and Dscillators.													
CO3	Exp	xplain the working and design different types of operational amplifiers. xplain the working and design of fixed voltage IC regulator using 7805 and A													
CO4	Exp stab	lain th	ne wo	rking r usin	and d	lesign er IC	of fix 555. U	ked vo Jnder	oltage stand	IC re	gulate	or usir rincip	ng 78	05 an	d A tion
CO5	Recall and explain the different number system and their conversions. Construct simple combinational and sequential circuits using flipflops. CO-PO-PSO Mapping												truct		
							Os	····	//IIS		, -			PSOs	
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2	2						1 MOS	1992				2		
CO2	2	2	2						9 a sa				2		
CO3	2	2	2					,-					2		
CO4	2		2										2		
CO5	2	2											2		
Average	2	2	2										2		

HOD Head

Dept. of Electronics & Communication Eng SJB Institute of Technology Bengaluru-560060

S J B Institute of Technology

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Department of Civil Engineering

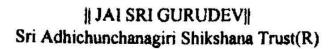
Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

CO1 Understand of various fields of civil Engineering & Importance of Infrastruct Development.	re
CO1 Understand of various fields of civil Engineering & Importance of Infrastruct Development. CO2 Analyse the resultant of given force system subjected to various loads & application of Engineering Mechanics in Civil Engineering. CO3 Understand the Action of forces, Moments & other Loads on Rigid bodies & Analyze the reactive forces that develop as a result of external Loads. CO4 Understand the concept of centroid & moment of Inertia & Applying it to reactive forces that description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO5 Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO6 PO-PSO Mapping CO8 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2 1 1 1 2 1 2	
Development. Analyse the resultant of given force system subjected to various loads & application of Engineering Mechanics in Civil Engineering. Understand the Action of forces, Moments & other Loads on Rigid bodies & Analyze the reactive forces that develop as a result of external Loads. Understand the concept of centroid & moment of Inertia & Applying it to reg & Built up Sections as per Architecture. Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping COS 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2 1 1 2 3 4 5 6 7 8 9 10 11 12 1 2	
Development. Analyse the resultant of given force system subjected to various loads & application of Engineering Mechanics in Civil Engineering. Understand the Action of forces, Moments & other Loads on Rigid bodies & Analyze the reactive forces that develop as a result of external Loads. Understand the concept of centroid & moment of Inertia & Applying it to reg & Built up Sections as per Architecture. Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping COS 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2 1 1 2 3 4 5 6 7 8 9 10 11 12 1 2	
CO3 application of Engineering Mechanics in Civil Engineering. Understand the Action of forces, Moments & other Loads on Rigid bodies & Analyze the reactive forces that develop as a result of external Loads. CO4 Understand the concept of centroid & moment of Inertia & Applying it to reg & Built up Sections as per Architecture. Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping CO5 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2 1 1 1 2 1 2	ılar
Understand the Action of forces, Moments & other Loads on Rigid bodies & Analyze the reactive forces that develop as a result of external Loads. Understand the concept of centroid & moment of Inertia & Applying it to regard & Built up Sections as per Architecture. Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping POS PSO 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ılar
CO4 Analyze the reactive forces that develop as a result of external Loads. Understand the concept of centroid & moment of Inertia & Applying it to reget the Built up Sections as per Architecture. CO5 Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping POS POS CO1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2	ılar
CO4 Understand the concept of centroid & moment of Inertia & Applying it to reg & Built up Sections as per Architecture. Understand the terms for the description of motion of particles, Fundamental Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping POS PSO 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ılar
CO4	IIai
CO5	
Newton laws, motion of projectile in absence of air. CO-PO-PSO Mapping PSO P	
Newton laws, motion of projectic in deserve of all CO-PO-PSO Mapping PSO PSO	
COs PSC PSC	
COs 1 2 3 4 5 6 7 8 9 10 11 12 1 2 CO1 2	<u> </u>
CO1 2 3 4 3 0 7 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3
	13
CO2 3 3	-
CO2 3 3	
CO3 3 3	
CO4 3 3	
CO5 2 2	
Average 2.6 2.75 1	

annsan

HOD Head of Department Department of Civil Engineering S J B Instit te of Technology Uttarahalli Road, Kengeri Bengaluru-560 060



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Department of Mechanical Engineering

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

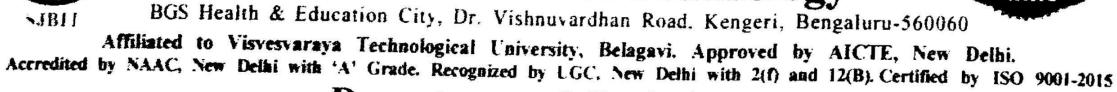
Subject:	Eler	nents	of Me	echan	ical E	ngine	ering	100		Sub	ject (Code:	18M	E15/2:	5
							se Ou			50 et 270					
CO1	Iden	tify d	iffere	nt sou	rces o	of ene	rgy an	d the	r con	versio	n pro	cess.			
CO2	Des	cribe t	he wo	orking	g of bo	oilers,	hydra	ulic t	urbine	es and	pum	os.		- N	
CO3	Disc	uss th	e woi	king	of IC	engin	es, pr	incipl	e of re	friger	ation	& air-	cond	itionin	ıg.
CO4	Dist	inguis	h the	types	of en	ginee	ring n	nateria	als, m	etal jo drive	ining	proce	sses a	nd typ	es
CO5	Cate		e diffe									ions, l	Robot	tic	
					CC)-PO-	PSO	Mapp	oing						
COs							Os							PSOs	
COS	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2						2					2			
CO2	2										05-01	2			
CO3	2	2	1				2					2			
CO4	2	2	1 2									1			
CO5	2				2							2	19 19		
Average	2	2	1		2		2					1.8			

	Su	bject	: E	ngine	ering	Grap	hics			Sub	ject C	ode:	18EG	DL15	/25
								tcome							
CO1	engi	ineeri	ng dra	wing.								notatio	ons in		
CO2	Gen	erate	engin	eering	draw	ings a	is per	BIS c	odes a	und co	nvent	ions.			
CO3	Dev	elop o	compu	iterize	d drav	wings	using	2D d	raftin	g pack	ages.				
CO4	Buil	d geo	metric	obje	cts us	ing de	velop	ment	of late	eral su	rfaces	5.			
CO5	Con	vert o	rthog	raphic	view	s into	Isom	etric p	roject	ion.				· · · · ·	
					CO	<u>-PO-</u>	PSO .	Mapp	ing						
60	POs PSOs														
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	3			3							1			
CO2	3	3			3							1			
CO3	3	3			3							11			
CO4	3	3		3	3							1			
CO5	3	3			3							1	, , , , , , , , , , , , , , , , , , ,		
Average	3	3			3							1			

Department of the Terrical Engineering SJB Institute of Technology Kengeri, Bengaluru-560 060



S J B Institute of Technology



Department of Basic Science

Course Outcomes and CO-PO-PSO Articulation Matrix

Semester-I/II

Subject	: Tech	nical E	nglish	-1				***		Sub	ject C	ode: 18	BEGH	8	
	<u> </u>		-			Cou	irse O	utcom	es			· · · · · · · · · · · · · · · · · · ·			
CO1	Use inton	Gramn ation &	naticall & flaw	y Engl less pro	ish and	d essen	tials of	flangu	age ski	lls & ic	lentify	the nu	ances o	of Phon	etics,
CO2	Impl	ement	Englis	h vocal	bulary	at com	mand a	& lano	uage pr	oficier	CV				
CO3	Ident	ify cor	nmon (errors i	n spok	en & v	ritten	x lang	uage pr	Officien	cy.				
CO4	Unde	rstand	& imn	rove th	e non	verhal	commi	unicati	ion and	kinogia					
CO5	Perfo	rm we	Il in ca	mnus	ecruit	ment ar	rd all o	ther or	eneral c	Kinesic	is.				
				inpus i	Coluiti	CO-PC	L DCA	Manz	sing	ompen	tive ex	ammai	ions.		
Cos		10000			· · · · · ·		os	Mapp	nug					DCO-	
Cos	1	2	3	4	5	6	7	8	9	10	11	13	1	PSOs	1 2
CO1				•		-		0		2	11	12	<u> </u>	2	3
CO2						-	- 1	-				1			
CO3										2		ı			
CO4							-			2		1			8
CO5			-							2		1			
										2		1	3/41		
Average					a					2		1			

Subjec	t: Tech	nical E	English	- II						Sub	iect C	ode: 18	ECHO	0	
						Cou	rse O	utcom	P6						
CO1	111101	meror (AII DILL	micoo p	nonun	ssentia ciation.	ls of la	inguag	e skills			he nua	nces o	f phone	etics,
CO2	Impl	ement	Englis	h vocal	bulary	at com	mand a	and lan	guage	proficie	may	N			
CO3	Ident	ify cor	nmon	errors i	n spok	en and	writte	n com	nunicat	ion	silcy.				
CO4	Unde	rstand	and in	prove	the no	n-verba	al com	munice	tion on	dkina	ioo				
CO5	Perfo	rm we	Il in ca	mpus r	ecruit	nent. e	nginee	ring ar	id all of	har as	oics.	. •	•		
						CO-PC)-PSO	Mann	ina	ner ger	ierai co	ompetii	ive ex	aminat	ions.
							os	wahh	ing				·		
Cos	1	2	3	4	5	6	7	8	0	10		T		PSOs	
CO1								0	9	10	11	12	1	2	3
CO2							, and the second			2		1			
CO3										2		I			
10 - 20-38-2										2		1	· · · · · · · · · · · · · · · · · · ·		
CO4								Total		2		1			
CO5										2		1			
Average										2		1			

FACULTY INCHARGE
[Remuka Proposed]

HOD 7

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