

An Autonomous Institute affiliated to Visvesvaraya Technological University, Belagavi

Belawadi, SrirangapatnaTaluk, Mandya – 571 477

MYSORE

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I-Sem	ester (CSE	Stream)					Phys	ics Group						
SI.	Course	Cou	urse Code		TD/		Teaching He	ours/Week			Examina	ition		
No.	Area	Existing	Tobe Changed to	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BS	BMATS101	M23BMATS101	Mathematics-I for CSE stream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BPHYS102	M23BPHYS102	Applied Physics for CSE Stream	Basic Science	2	2	2	0	03	50	50	100	04
3	ES	BEPOPS03	M23BEPOPS103	Principles of Programming using C	Respective Dept	2	0	2	0	03	50	50	100	03
4	ES-1	BESCK104x	M23BESK104x	Engineering Science Course-I	Respective Dept	2	0	2	0	03	50	50	100	03
5	ET-1	BETCK105x	M23BETK105x	Emerging Technology Course-I		3	0	0	0	03				
5		OR Any Dept 50		50	100	03								
	PL	BPLCK105x	M23BPLK105x	Programming Language Course-I		2	0	2	0	03				
		BENGK106	M23BENGK106	Communicative English	Humanities/									
6	HS		OR		Any Dept	1	0	0	0	01	50	50	100	01
		BPWSK106	M23BPWSK106	Professional Writing Skills in English	Tiny Dopt									
7	HS	BKSKK107/ BKBKK107	M23BKSKK107/ M23BKBKK107	Samskrutika Kannada/ Balake Kannada	Humanities/ Any Dept	1	0	0	0	01	50	50	100	01
	-		OR	T	Any Dept									
		BICOK107	M23BICOK107	Indian Constitution										
		BIDTK158	M23BIDTK158	Innovation and Design Thinking	Basic	1	0	0	0	01				
8	AE		OR	C - : 4: C -	Science/				1		50	50	100	01
		BSFHK158	M23BSFHK158	Scientific Foundations of Health	Any Dept	1	0	0	0	01				
				Total partment / Paper Setting 1							400	400	800	20



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Ref: MITM/1st Yr/CSE Stream/Scheme/2023-24/002

04- Credits (IC) are to be designed for 40 hours' theory and $12 - 14$ hours of practical sessions
03- Credits courses are to be designed for 40 hours of Teaching - Learning Session
02- Credits courses are to be designed for 25 hours of Teaching - Learning Session
01- Credit courses are to be designed for 12 - 15 hours of Teaching - Learning sessions

Student's Induction Program: Motivating (Inspiring) Activities under the Induction program – The main aim of the induction program is to provide newly admitted students abroad understanding of society, relationships, and values. Along with the knowledge and skill of his/ her study, students' character needs to be nurtured as an essential quality by which he/ she would understand and fulfil the responsibility as an engineer. The following activities are to be covered in 21 days. Physical Activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to Local areas, Familiarization with Department/ Branch and Innovation, etc. For details, refer the ANNEXURE – I of Induction Programs notification of the University published at the beginning of the 1st semester.

AICTE Activity Points to be earned by students admitted to BE/ B.Tech.,/ B.Plan day college program (For more details refer to Chapter 6,

AICTE Activity Point Program, Model Internship Guidelines): Over and above the academic grades, every regular student admitted to the 4 years Degree program and every student entering 4years Degree programs through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Program. Students transferred from other Universities to the fifth semester are required to earn 50 Activity Points from they are of entry to VTU. The Activity Points earned shall be reflected on the student's eighth semester Grade Card. The activities can be spread over the years, any time during the semester weekends, and holidays, as per the liking and convenience of the student from the year of entry to the program. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) do not affect SGPA/ CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed activity Points, an Eighth Semester Grade Card shall be issued only after earning the required activity points. Students shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.

ES or ET of 03 credits Courses shall have only a theory component (L:T:P:S = 3:0:0:0) or if the nature the of course required practical earning syllabus shall be designed as an Integrated course (L:T:P:S = 2:0:2:0). **All 01 Credit** – courses shall have the SEE of 01 hours duration and the pattern of the question paper shall be MCQ



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Ref: MITM/1st Yr/CSE Stream/Scheme/2023-24/002

	(ES-I) Engineering Science Courses - I					(ET-I) Emerging Technology Courses - I			
Code	Title	L	Т	Р	Code	Title	L	Т	Р
M23BESK104A	Introduction to Civil Engineering				M23BETK105A	Green Buildings			
M23BESK104B	Introduction to Electrical Engineering				M23BETK105B	Introduction to Nano Technology			
M23BESK104C	Introduction to Electronics Communication				M23BETK105C	Renewable Energy Sources			
M23BESK104D	Introduction to Mechanical Engineering				M23BETK105D	Waste Management			
M23BESK104E	Introduction to C Programming				M23BETK105E	Introduction to Internet of Things (IOT)			
					M23BETK105F	Introduction to Cyber Security			

	Title Introduction to Web Programming Introduction to Python Programming	L	Т	Р
M23BPLK105A M23BPLK105B				
M23BPLK105B	Introduction to Python Programming			
M23BPLK105C	Basics of JAVA programming			
M23BPLK105D	Introduction to C++ Programming			
• The student has to	select one course from the ES-I group.			
Civil Engineering	Students shall opt for any one of the courses from the ES-I group except, BESCK104A Introduction to Civil			
Engineering				
• The students have	to opt for the courses from ES group without repeating the course either 1st or 2nd semester			
• The students must	select one course from either ET-I or PL-I group.			
• If students study th	he subject from ET-I in 1st			

semester he/she has to select the course from PL-II in the 2nd semester and vice-versa



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				Scheme	of Teaching and Exa (Effective fron				023)					
II-Sei	mester (CSE	Stream)		Chemistry Group (For the students atte	nded 1 st sem ur	der Physics g	group)						
SI.	Course	Cou	rse Code		TD/]	Feaching Hou	rs/Week			Exam	ination		
No.	Area	Existing	Tobe Changed to	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BS	BMATS201	M23BMATS201	Mathematics – II for CSE stream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BCHES202	M23BCHES202	Applied Chemistry for CSE stream	Basic Science	2	2	2	0	03	50	50	100	04
3	ES	BCEDK203	M23BCEDK203	Computer-Aided Engineering Drawing	Respective Dept	2	0	2	0	03	50	50	100	03
4	ES-II	BESCK204x	M23BESK204x	Engineering Science Course-II	Respective Dept	2	0	2	0	03	50	50	100	03
_	PL	BPLCK205x	M23BPLK205x	Programming Language Course- II		3	0	0	0	03				
5			OR		Any Dept			1			50	50	100	03
	ET-II	BETCK205x	M23BETK205x	Emerging Technology Course-II		2	0	2	0	03				
		BPWSK206	M23BPWSK206	Professional Writing Skills in English	Humanities/								100	
6	HS		OR	6	Any Dept.	1	0	0	0	01	50	50	100	01
		BENGK206	M23BENGK206	Communicative English										
		BICOK207	M23BICOK207	Indian Constitution										
7	HS		OR	-	Humanities/	1	0	0	0	01	50	50	100	01
,		BKSKK207/ BKBKK207	M23BKSKK207/ M23BKBKK207	Samskrutika Kannada/ Balake Kannada	Any Dept.	•		, , , , , , , , , , , , , , , , , , ,	Ŭ			50	100	
8	AE	BSFHK258	M23BSFHK258	Scientific Foundations of Health	Basic Science/ Any Dept.	1	0	0	0	01	50	50	100	01
			OR				•	•	•		1			





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	BIDTK258	M23BIDTK258	Innovation and Design Thinking		1	0	0	0	01				
				Total						400	400	800	20
DA-Skill	Development Activities	s, TD/PSB – Teachi	ng Department / Pape	er Setting Board, BS	5 – Basic Scien	ce Course, E	S – Engineeri	ng Scien	ce Courses,	ET - Eme	rging Tech	nology Cours	se, AE – Abilit
Inhancem	ent Course, HSMS – Hu	amanity and Social S	cience and managemer	nt Course, SDC - Sk	till Developmen	t Course, CIE	E – Continuou	s Internal	l Evaluation,	SEE – Sei	mester End	Examination,	, IC –Integrate
(heory Course Integrated	with Practical Course	;)										
Credit	Definition:			04- Credits cour	ses are to be des	igned for 50 h	ours of Teachi	ng – Lea	rning Sessior	1			
1- hour	Lecture (L) per week = 1	Credit		04- Credits (IC)	are to be design	ed for 40 hour	rs' theory and	12 – 14 h	ours of practi	ical sessior	is		
2- hours	Tutorial (T) per week =	1Credit		03- Credits cour	ses are to be des	igned for 40 h	ours of Teachi	ng – Lea	rning Session	1			
2- hours	Practical/ Drawing (P)	ber week = 1Credit		02- Credits cour	ses are to be des	igned for 25 h	ours of Teachi	ng – Lea	rning Sessior	1			
2- hours	Skill Development Acti	ves (SDA) per week	= 1Credit	01- Credit cours	es are to be desi	gned for 12 –	15 hours of Te	aching –	Learning ses	sions			
Student	's Induction Program:	Motivating (Inspirin	g) Activities under the	Induction program	- The main air	n of the indu	ction program	is to pro	ovide newly a	admitted st	udents abr	oad understan	ding of societ
relations	ships, and values. Along	with the knowledge a	and skill of his/ her stu	dy, students' charac	ter needs to be	nurtured as ar	n essential qua	lity by w	hich he/ she	would und	erstand and	fulfil the resi	ponsibility as a
	r. The following activiti	e					1	5 5					
U	C									2		et	to Local alea
Familia	rization with Department	Branch and Innovati	on, etc. For details, refe	er the ANNEXURE	– I of Induction	Programs noti	fication of the	Universi	ty published a	at the begir	ning of the	1 [°] semester.	
AICTE	Activity Points to be ear	rned by students adm	itted to BE/ B.Tech.,/ P	B.Plan day college pr	ogram (For mor	e details refer	to Chapter 6,						
AICTE	Activity Point Program, I	Model Internship Gui	delines) : Over and abo	ove the academic gra	des, every regul	ar student adn	nitted to the 4	years De	gree program	and every	student ent	ering 4years D	Degree progran
through	lateral entry, shall earn 1	00 and 75 Activity P	oints respectively for t	he award of degree t	hrough AICTE	Activity Point	Program. Stu	lents trai	sferred from	other Univ	versities to	the fifth seme	ster are require
U	50 Activity Points from t	5	1 2	e	U		C						
		5	2			U							U
	r weekends, and holidays				· 1	0							
		Il not be considered f	for vertical progression.	. In case students fai	1 to earn the pre	scribed activit	y Points, an E	ighth Sei	nester Grade	Card shall	be issued of	only after earn	ing the require
	ct SGPA/ CGPA and sha	in not be considered i											
not affe	ct SGPA/ CGPA and sha points. Students shall be		d of the degree only af	ter the release of the	Eighth semester	Grade Card.							
not affe		admitted for the awar	6 ;		0		uired practical	earning	syllabus shal	l be desigr	ned as an I	ntegrated cour	se (L:T:P:S =



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	(ES-II) Engineering Science Courses - II			(1	ET-II) Emerging Technology Courses - II				
Code	Title	L	Т	Р	Code	Title	L	Т	Р
M23BESK204A	Introduction to Civil Engineering				M23BETK105A	Green Buildings			
M23BESK204B	Introduction to Electrical Engineering				M23BETK105B	Introduction to Nano Technology			
M23BESK204C	Introduction to Electronics Communication				M23BETK105C	Renewable Energy Sources			
M23BESK204D	Introduction to Mechanical Engineering				M23BETK105D	Waste Management			
M23BESK204E	Introduction to C Programming				M23BETK105E	Introduction to Internet of Things (IOT)			
					M23BETK105F	Introduction to Cyber Security			

(PL-II) Programming Language Courses - II											
Code	Title	L	Т	Р							
M23BPLK205A	Introduction to Web Programming										
M23BPLK205B	Introduction to Python Programming										
M23BPLK205C	Basics of JAVA programming										
M23BPLK205D	Introduction to C++ Programming										
• The student has to	o select one course from the ES-II group.										
Civil Engineering	Students shall opt for any one of the courses from the ES-II group except, M23BESCK204A -Introduction	to Civil Engineer	ring								
• The students have	to opt for the courses from ESC group without repeating the course in either 1st or 2nd semester										
• The students mus	t select one course from either ET-II or PL-II group.										

• If students study the subject from ET-I in 1st semester he/she has to select the course from PL-II in the 2nd semester and vice-versa





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				Schen	ne of Teaching and Exar (Effective from	nination for BE (An an		heme-2023)						
I-Sen	nester (CSI	E Stream)					Chemi	stry Group						
SI.	Course	Cou	rse Code		TD/	Т	eaching Hours/	Week			Exan	nination		
No.	Area	Existing	Tobe Changed to	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BS	BMATS101	M23BMATM101	Mathematics – I for CSE stream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BCHES102	M23BCHES102	Applied Chemistry for CSE stream	Basic Science	2	2	2	0	03	50	50	100	04
3	ES	BCEDK103	M23BCEDK103	Computer-aided engineering Drawing	Respective Dept	2	0	2	0	03	50	50	100	03
4	ES-1	BESCK104x	M23BESK104x	Engineering Science Course-I	Respective Dept	2	0	2	0	03	50	50	100	03
~	ET-1	BETCK105x	M23BETK105x	Emerging Technology Course-I		3	0	0	0	03				
5			OR		Any Dept						50	50	100	03
	PC	BPLCK105x	M23BPLK105x	Programming Language Course-I		2	0	2	0	03				
		BPWSK106	M23BPWSK106	Professional Writing Skills in English	Humanities/									
6	HS		OR	8	Any Dept.	1	0	0	0	01	50	50	100	01
		BENGK106	M23BENGK106	Communicative English										
		BICOK107	M23BICOK107	Indian Constitution										
7	HS		OR		Humanities/	1	0	0	0	01	50	50	100	01
		BKSK107/ BKBK107	M23BKSK107/ M23BKBK107	Samskrutika Kannada/ Balake Kannada	Any Dept.	-		~			-			
8	AE	BSFHK158	M23BSFHK158	Scientific Foundations of Health	Basic Science/ Any Dept.	1	0	0	0	01	50	50	100	01
			OR		• •			<u> </u>	•	•	1			



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	BITDK158	M23BITDK158	Innovation and Design Thinking		1	0	0	0	01				
				Total						400	400	800	20
SDA-Skill Devel	opment Activiti	es, TD/PSB – Teac	ching Department / Pa	per Setting Board, BS	5 – Basic Science Co	ourse, ES – Ei	ngineering Sc	ience Co	ourses, ET -	Emerging	Technolog	gy Course, Al	E –Ability
			e	nent Course, SDC - Sk	till Development Cou	rse, CIE – Co	ntinuous Inter	nal Eval	uation, SEE	 Semester 	er End Exar	nination, IC -	-Integrated
· · ·	U	with Practical Cour	rse)					. ~					
Credit Defini	tion:			04- Credits courses	s are to be designed for	or 50 hours of 'l	l'eaching – Lea	arning Se	ession				
1- hour Lecture	(L) per week =	1Credit		04- Credits (IC) are	e to be designed for 4	0 hours' theory	v and 12 - 14	hours of]	practical sess	sions			
2- hours Tutori	al (T) per week =	= 1Credit		03- Credits courses	s are to be designed for	or 40 hours of 7	Feaching – Lea	arning Se	ession				
2- hours Practic	al/ Drawing (P)	per week = 1Credit	t	02- Credits courses	s are to be designed for	or 25 hours of T	Feaching – Le	arning Se	ession				
2- hours Skill I	evelopment Act	ives (SDA) per weel	k = 1Credit	01- Credit courses	are to be designed for	r 12 – 15 hours	of Teaching -	- Learnin	g sessions				
Student's Indu	ction Program	: Motivating (Inspir	ring) Activities under	he Induction program	- The main aim of	the induction p	program is to	provide	newly admit	ted studen	ts abroad u	inderstanding	of society,
relationships, a	nd values. Along	g with the knowledge	e and skill of his/ her	study, students' charac	ter needs to be nurtur	ed as an essen	tial quality by	which h	e/ she would	l understar	nd and fulfi	1 the responsit	bility as an
engineer. The	following activit	ties are to be covered	ed in 21 days. Physic	al Activity, Creative A	Arts. Universal Huma	n Values. Lite	rarv. Proficie	ncv Mod	lules. Lectur	es bv Emi	nent People	e. Visits to L	ocal areas.
Familiarization	with Departmen	t/ Branch and Innova	ation, etc. For details, 1	efer the ANNEXURE -	- I of Induction Progr	ams notificatio	n of the Unive	ersity pub	lished at the	beginning	of the 1^{st} se	emester.	
AICTE Activi	y Points to be e	arned by students ad	mitted to BE/ B.Tech.,	B.Plan day college pro	ogram (For more deta	ils refer to Cha	pter 6,						
AICTE Activit	/ Point Program,	Model Internship G	uidelines) : Over and a	bove the academic gra	des, every regular stu	dent admitted t	to the 4 years	Degree p	rogram and e	every stude	ent entering	4years Degree	e programs
through lateral	entry, shall earn	100 and 75 Activity	Points respectively fo	r the award of degree t	hrough AICTE Activ	ity Point Progra	am. Students t	ransferre	d from other	Universit	es to the fi	fth semester a	re required
to earn 50 Acti	vity Points from	they are of entry to	VTU. The Activity Po	oints earned shall be ret	flected on the student	's eighth seme	ster Grade Ca	rd. The a	ctivities can	be spread	over the ye	ears, any time	during the
semester week	ends, and holiday	vs, as per the liking a	and convenience of the	student from the year of	of entry to the program	n. However, the	e minimum ho	ours' requ	irement sho	uld be fulf	illed. Activi	ity Points (non	-credit) do
not affect SGP.	A/ CGPA and sh	all not be considered	d for vertical progressi	on. In case students fai	l to earn the prescribe	ed activity Poin	ts, an Eighth	Semester	Grade Card	shall be is	sued only a	after earning th	ne required
activity points.	Students shall be	e admitted for the aw	ard of the degree only	after the release of the	Eighth semester Grad	e Card.							
ES or ET of 0	3 credits Cours	ses shall have only a	a theory component (I	:T:P:S = 3:0:0:0) or if	the nature the of co	urse required p	practical earning	ng syllab	us shall be c	lesigned a	s an Integra	ated course (L	:T:P:S =



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	(ES-I) Engineering Science Courses - I					(ET-I) Emerging Technology Courses - I			
Code	Title	L	Т	Р	Code	Title	L	Т	Р
M23BESK104A	Introduction to Civil Engineering				M23BETK105A	Green Buildings			
M23BESK104B	Introduction to Electrical Engineering				M23BETK105B	Introduction to Nano Technology			
M23BESK104C	Introduction to Electronics Communication				M23BETK105C	Renewable Energy Sources			
M23BESK104D	Introduction to Mechanical Engineering				M23BETK105D	Waste Management			
M23BESK104E	Introduction to C Programming				M23BETK105E	Introduction to Internet of Things (IOT)			
					M23BETK105F	Introduction to Cyber Security			

	(PL-I) Programming Language Courses - I										
Code	Title	L	Т	Р							
M23BPLK105A	Introduction to Web Programming										
M23BPLK105B	Introduction to Python Programming										
M23BPLK105C	Basics of JAVA programming										
M23BPLK105D	Introduction to C++ Programming										
• The student has to	o select one course from the ES-I group.										
 Civil Engineering 	g Students shall opt for any one of the courses from the ES-I group except, BESCK104A Introduction to Civil	Engineering									
• The students have	• The students have to opt for the courses from ES group without repeating the course either 1st or 2nd semester										
• The students mus	t select one course from either ET-I or PL-I group.										

• If students study the subject from ET-I in 1st semester he/she has to select the course from PL-II in the 2nd semester and vice-versa



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				Scheme	of Teaching and (Effecti		on for BE (A cademicYea		Scheme-	2023)				
II-Se	mester (CS)	EStream)		Physics G	roup(For the stu	idents atten	ded 1 st sem u	nder Chemis	try grou	p)				
SI.	Sl. No. Course Area	Course Code			TD/	Teaching Hours/Week				Examination				
No.		Existing	To be Changed to	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BS	BMATS201	M23BMATS201	Mathematics – II for CSEstream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BPHYS202	M23BPHYS202	Applied Physics for CSE Stream	Basic Science	2	2	2	0	03	50	50	100	04
3	ES	BPOPS203	M23BPOPS203	Principles of Programming using C	Respective Dept	2	0	2	0	03	50	50	100	03
4	ES-II	BESCK204x	M23BESK204x	Engineering Science Course-II	Respective Dept	2	0	2	0	03	50	50	100	03
	ET-II	BETCK205x	M23BETK205x	Emerging Technology Course-II		3	0	0	0	03				
5	OR				Any Dept	OR			50 OR		50	100	03	
	PC	BPLCK205x	M23BPLK205x	Programming Language Course-II		2	0	2	0	03	OK			
	HS	BENGK206 x	M23BENGK206 x	Communicative English		1 OR	0	0	0	01	50	50	100	01
6			OR	1	Humanities/									
0		BPWSK206	M23BPWSK206	Professional Writing Skills in English	Any Dept.									
7		BKSKK207 BKBKK207	M23BKSKK207 M23BKBKK207	Samskrutika Kannada/ Balake Kannada	Humanities/	1		0	0				100	0.1
	HS	OR			Any Dept.	OR	0	0	0	01	50	50	100	01
		BICOK207	M23BICOK207	Indian Constitution										
		BIDTK258	M23BIDTK258	Innovation and Design Thinking	Basic	1	0	0	0	01				
8	AE	OR			Science/	OR					50	50	100	01
		BSFHK258	M23BSFHK258	Scientific Foundations of	Any Dept.	1	0	0	0	01				



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Health										
Total				400	400	800	20			
SDA-Skill Development Activities, TD/PSB - Teaching Department / Paper Setting Board, BS - Basic Science Course, ES - Engineering Science Courses, ET - Emerging Technology Course, AE - Ability										
Enhancement Course, HSMS - Humanity and Social Science and management Course, SDC - Skill Development Course, CIE - Continuous Internal Evaluation, SEE - Semester End Examination, IC - Integrated										
Course (Theory Course Integrated with Practical Course)										
Credit Definition:	04- Credits courses are to be designed for 50 hours of Teaching - Learning Session									
1- hour Lecture (L) per week = 1Credit	04- Credits (IC) are to be designed for 40 hours' theory and $12 - 14$ hours of practical sessions									
2- hours Tutorial (T) per week = 1Credit	03- Credits courses are to be designed for 40 hours of Teaching – Learning Session									
2- hours Practical/ Drawing (P) per week = 1Credit	02- Credits courses are to be designed for 25 hours of Teaching – Learning Session									
2- hours Skill Development Actives (SDA) per week = 1Credit	01- Credit courses are to be designed for 12 – 15 hours of Teaching – Learning sessions									
Student's Induction Program: Motivating (Inspiring) Activities under the Induction program – The main aim of the induction program is to provide newly admitted students abroad understanding of society,										
relationships, and values. Along with the knowledge and skill of his/ her study, students' character needs to be nurtured as an essential quality by which he/ she would understand and fulfil the responsibility as an										
engineer. The following activities are to be covered in 21 days. Physical Activit	y, Creative Arts, Universal H	uman Values, Literar	y, Proficiency M	odules, L	ectures by E	minent People, Visits to	Local areas,			
Familiarization with Department/ Branch and Innovation, etc. For details, refer the A	NNEXURE – I of Induction F	rograms notification o	f the University p	ublished a	t the beginning	ng of the 1^{st} semester.				
AICTE Activity Points to be earned by students admitted to BE/ B.Tech.,/ B.Plan c	lay college program (For more	details refer to Chapte	er 6,							
AICTE Activity Point Program, Model Internship Guidelines) : Over and above the	academic grades, every regula	student admitted to the	he 4 years Degree	e program	and every stu	ident entering 4years Degi	ree programs			
through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Program. Students transferred from other Universities to the fifth semester are required										
to earn 50 Activity Points from they are of entry to VTU. The Activity Points earned shall be reflected on the student's eighth semester Grade Card. The activities can be spread over the years, any time during the										
semester weekends, and holidays, as per the liking and convenience of the student from the year of entry to the program. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) do										
not affect SGPA/ CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed activity Points, an Eighth Semester Grade Card shall be issued only after earning the required										
activity points. Students shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.										
ES or ET of 03 credits Courses shall have only a theory component (L:T:P:S = 3:0:0:0) or if the nature the of course required practical earning syllabus shall be designed as an Integrated course (L:T:P:S =										
2:0:2:0). All 01 Credit – courses shall have the SEE of 01 hours duration and the pattern of the question paper shall be MCQ										



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Ref: MITM/1st Yr/CSE Stream/Scheme/2023-24/002

(ES-II) Engineering Science Courses - II					(ET-II) Emerging Technology Courses - II						
Code	Code Title		Т	Р	Code	Code Title		Т	Р		
M23BESK204A	Introduction to Civil Engineering				M23BETK105A	Green Buildings					
M23BESK204B	Introduction to Electrical Engineering				M23BETK105B	Introduction to Nano Technology					
M23BESK204C	Introduction to Electronics Communication				M23BETK105C	Renewable Energy Sources					
M23BESK204D	Introduction to Mechanical Engineering				M23BETK105D	Waste Management					
M23BESK204E	Introduction to C Programming				M23BETK105E	Introduction to Internet of Things (IOT)					
					M23BETK105F	Introduction to Cyber Security					

(PL-II) Programming Language Courses - II									
Code	Title	L	Т	Р					
M23BPLK205A	Introduction to Web Programming								
M23BPLK205B	Introduction to Python Programming								
M23BPLK205C	Basics of JAVA programming								
M23BPLK205D	Introduction to C++ Programming								
 The student has t 	o select one course from the ES-II group.								
• Civil Engineering Students shall opt for any one of the courses from the ES-II group except, M23BESCK204A -Introduction to Civil Engineering									
• The students have to opt for the courses from ESC group without repeating the course in either 1st or 2nd semester									
• The students must select one course from either ET-II or PL-II group.									

• If students study the subject from ET-I in 1st semester he/she has to select the course from PL-II in the 2nd semester and vice-versa