

An Autonomous Institute affiliated to Visvesvaraya Technological University, Belagavi

Belawadi, SrirangapatnaTaluk, Mandya – 571 477

Approved by AICTE, New Delhi | Recognized by Govt. of Karnataka

[-Sen	ester (Mech	anical Engineerin	g Stream)						Physic	s Group				
SI.	Course	Cou	ırse Code		TD/		Teaching Ho	ours/Week		Examination				
No.	Area	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	BMATM101	M23BMATM101	Mathematics-I for Mechanical stream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BPHYM102	M23BPHYM102	Applied Physics for ME Stream	Basic Science	2	2	2	0	03	50	50	100	04
3	ES	BEMEM103	M23BEMEM103	Elements of Mechanical Engineering	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				
3			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 Dept.									
7	HS	BKSKK107/ BKBKK107	M23BKSKK107/ M23BKBKK107	Samskrutika Kannada/ Balake Kannada	Humanities/ Any Dept.	1	0	0	0	01	50	50	100	01
			OR		Ally Dept.									
		BICOK107	M23BICOK107	Indian Constitution										ļ
		BIDTK158	M23BIDTK158	Innovation and Design Thinking	Basic	1	0	0	0	01				
8	AE		OR	a : .: c	Science/				1		50	50	100	01
		BSFHK158	M23BSFHK158	Scientific Foundations of Health	Any Dept.	1	0	0	0	01				
				Total							400	400	800	20



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Ref: MITM/1st Yr/ME Stream/Scheme/2023-24/001

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 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

	(ES-II) Engineering Science Courses - II				(ET-II) Emerging Technology Courses - II			
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			



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(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	Students shall opt for any one of the courses from the ES-I group except, BESCK104A Introduction to Civil									
Engineering										
• The students have	e 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 ha	is to select the course from PL-II in the 2nd semester and vice-versa									



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				Scheme of	of Teaching and Exam (Effective from				023)															
II-Sei	nester (Mec	hanical Enginee	ering Stream)		Chemistry Group (Fe	or the students	s attended 1 st s	sem under Phy	ysics gro	up)														
SI.	Course	Cou	rse Code		TD/	ſ	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	BMATM201	M23BMATM201	Mathematics – II for Mechanical stream	Basic Science	2	2	2	0	03	50	50	100	04										
2	BS	BCHEM202	M23BCHEM202	Applied Chemistry for Mechanical 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										
_	ET-II	BPLCK205x	M23BPLK205x	Programming Language Course- II		3	0	0	0	03														
5			OR		Any Dept						50	50	100	03										
	PL	BETCK205x	M23BETK205x	Emerging Technology Course-II		2	0	2	0	03														
_		BPWSK206	M23BPWSK206	Professional Writing Skills in English	Humanities/	_																		
6	HS		OR		Any Dept.	1	0	0	0	01	50	50	100	01										
		BENGK206	M23BENGK206	Communicative English	• •																			
		BICOK207	M23BICOK207	Indian Constitution				1	+															
7	HS		OR		Humanities/	1	0	0	0	01	50	50	100	01										
-		BKSKK207/ BKBKK207	M23BKSKK207/ M23BKBKK207	Samskrutika Kannada/ Balake Kannada	Any Dept.		0	0	0	0	0			-				-						
8	AE	BSFHK258	M23BSFHK258	Scientific Foundations of Health	Basic Science/ Any Dept.	1	0	0	0	01	50	50	100	01										



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		OR	_				_						
	BIDTK258	M23BIDTK258	Innovation and Design Thinking		1	0	0	0	01				
			Design Thinking	Total						400	400	800	20
SDA-Skill Deve	lopment Activitie	s. TD/PSB – Teac	ching Department / Par	er Setting Board, BS	5 – Basic Scie	nce Course. E	S – Enginee	ring Scier	nce Courses.	ET - Emer	rging Tech	nology Cours	e. AE –Abil
	1	·	Science and managem	0		-	U	0	,		00	0,	,
Course (Theory C	Course Integrated	with Practical Cour	rse)		1								e
Credit Defin	ition:			04- Credits cour	ses are to be de	signed for 50 h	ours of Teac	hing – Lea	arning Session	n			
1- hour Lecture	e (L) per week = 1	Credit		04- Credits (IC)	are to be design	ned for 40 hou	rs' theory and	d 12 – 14 ł	nours of pract	ical session	s		
2- hours Tutori	al (T) per week =	1Credit		03- Credits cour	ses are to be de	signed for 40 ł	ours of Teac	hing – Lea	arning Sessior	1			
2- hours Practi	cal/ Drawing (P) p	ber week = 1Credit	t	02- Credits cour	ses are to be de	signed for 25 h	ours of Teac	hing – Lea	arning Session	n			
2- hours Skill I	Development Activ	ves (SDA) per wee	k = 1Credit	01- Credit cours	es are to be des	igned for 12 –	15 hours of	Feaching –	- Learning ses	ssions			
Student's Ind	uction Program:	Motivating (Inspir	ring) Activities under th	e Induction program	– The main ai	m of the indu	ction program	n is to pro	ovide newly a	admitted st	udents abr	oad understan	ding of socie
relationships, a	nd values. Along	with the knowledg	e and skill of his/ her s	udy, students' charac	ter needs to be	nurtured as ar	essential qu	ality by w	hich he/ she	would unde	erstand and	fulfil the resp	onsibility as
engineer. The	following activiti	es are to be cover	ed in 21 days. Physica	Activity, Creative A	Arts, Universal	Human Value	s, Literary, 1	Proficiency	y Modules, L	ectures by	Eminent l	People, Visits	to Local are
Familiarization	with Department	Branch and Innov	ation, etc. For details, re	fer the ANNEXURE	- I of Induction	Programs noti	fication of th	e Universi	ity published a	at the begin	ning of the	1 st semester.	
AICTE Activi	ty Points to be ear	rned by students ad	mitted to BE/ B.Tech.,/	B.Plan day college pr	ogram (For mo	re details refer	to Chapter 6	,					
AICTE Activit	y Point Program, I	Model Internship G	buidelines) : Over and al	ove the academic gra	des, every regu	lar student adn	nitted to the	4 years De	gree program	and every	student ent	ering 4years D	egree progra
through lateral	entry, shall earn 1	00 and 75 Activity	Points respectively for	the award of degree t	hrough AICTE	Activity Point	Program. St	udents trai	nsferred from	other Univ	ersities to	the fifth semes	ster are requi
to earn 50 Acti	ivity Points from t	hey are of entry to	VTU. The Activity Po	nts earned shall be re	flected on the s	tudent's eight	n semester G	rade Card.	. The activitie	es can be sp	read over	the years, any	time during
semester week	ends, and holidays	s, as per the liking a	and convenience of the s	tudent from the year of	of entry to the p	rogram. Howe	ver, the mini	mum hour	s' requiremen	nt should be	fulfilled.	Activity Points	(non-credit)
not affect SGP	A/ CGPA and sha	ll not be considered	d for vertical progressio	n. In case students fai	l to earn the pro	escribed activit	ty Points, an	Eighth Ser	mester Grade	Card shall	be issued of	only after earn	ing the requi
activity points.	Students shall be	admitted for the aw	vard of the degree only a	fter the release of the	Eighth semeste	r Grade Card.							
ES or ET of (3 credits Course	es shall have only a	a theory component (L:	T:P:S = 3:0:0:0) or if	the nature the	of course req	uired practic	al earning	syllabus shal	ll be design	ed as an I	ntegrated cour	se (L:T:P:S
2:0:2:0). All 0	1 Credit – courses	s shall have the SEI	E of 01 hours duration a	nd the pattern of the q	uestion paper s	hall be MCQ							



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	(ES-II) Engineering Science Courses - II				(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 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



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				Schen	ne of Teaching and Exan (Effective from	mination for BE (A the Academic Yea		neme-2023)						
I-Sen	nester (Me	chanical Engine	ering Stream)						Chemist	ry Group				
SI.	Course	Cou	rse Code		TD/	Te	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	BMATM101	M23BMATM101	Mathematics – I for Mechanical stream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BCHEC102	M23BCHEC102	Applied Chemistry for Mechanical 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				
ć		BPWSK106	M23BPWSK106	Professional Writing Skills in English	Humanities/				0	01	50	50	100	0.1
6	HS		OR		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
,	115	BKSK107/ BKBK107	M23BKSK107/ M23BKBK107	Samskrutika Kannada/ Balake Kannada	Any Dept.	1				01	50	50	100	01
8	AE	BSFHK158	M23BSFHK158	Scientific Foundations of	Basic Science/ Any Dept.	1	0	0	0	01	50	50	100	01





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			Health		1								1
		OR	incutii										
		_	Innovation and		1	0	0	0	01				
	BITDK158	M23BITDK158	Design Thinking		1	0	0	0	01				
				Total	D · A · A					400	400	800	20
			0 1	per Setting Board, BS			0 0			00			
		d with Practical Cours	•	nent Course, SDC - Ski	II Development Cou	rse, CIE – Cor	itinuous Inter	nal Eval	uation, SEE	- Semeste	r End Exai	nination, IC –	Integrated
Course (Theory Credit Defin	U	d with Flactical Cours	se)	04- Credits courses	are to be designed for	or 50 hours of T	eaching – Le	arning Se	ession				
1 hour Lectu	re (L) per week =	1Crodit		04 Credits (IC) are	to be designed for 4	0 hours' theory	and 12 14	hours of	practical case	ions			
				× ,	e				L	510115			
2- hours Tutor	ial (T) per week	= 1Credit			are to be designed for		C	U					
2- hours Pract	ical/ Drawing (P)) per week = 1Credit		02- Credits courses	are to be designed for	or 25 hours of T	eaching – Le	arning Se	ession				
2- hours Skill	Development Ac	tives (SDA) per week	k = 1Credit	01- Credit courses	are to be designed for	r 12 – 15 hours	of Teaching -	– Learnin	g sessions				
Student's Inc	luction Program	n: Motivating (Inspiri	ing) Activities under	the Induction program	- The main aim of	the induction p	rogram is to	provide	newly admit	ted studen	ts abroad u	nderstanding of	of society
relationships,	and values. Alon	g with the knowledge	e and skill of his/ her	study, students' charact	er needs to be nurtur	ed as an essent	ial quality by	which h	e/ she would	l understar	d and fulfi	l the responsib	oility as ar
engineer. The	following activi	ties are to be covere	ed in 21 days. Physic	al Activity, Creative A	rts, Universal Huma	n Values, Liter	ary, Proficie	ncy Mod	ules, Lecture	es by Emi	nent Peopl	e, Visits to Lo	ocal areas
Familiarizatio	n with Departmer	nt/ Branch and Innova	ation, etc. For details, r	efer the ANNEXURE -	I of Induction Progr	ams notificatior	n of the Unive	ersity pub	lished at the	beginning	of the 1 st so	emester.	
AICTE Activ	ity Points to be e	earned by students adr	mitted to BE/ B.Tech.,	/ B.Plan day college pro	gram (For more deta	ils refer to Chaj	pter 6,						
AICTE Activi	ty Point Program	, Model Internship G	uidelines) : Over and a	bove the academic grad	les, every regular stu	dent admitted to	the 4 years	Degree p	rogram and e	very stude	nt entering	4years Degree	e programs
through latera	l entry, shall earn	100 and 75 Activity	Points respectively fo	r the award of degree th	nrough AICTE Activ	ity Point Progra	m. Students t	transferre	d from other	Universit	es to the fi	fth semester ar	re required
to earn 50 Ac	tivity Points from	they are of entry to	VTU. The Activity Po	oints earned shall be ref	lected on the student	's eighth semes	ster Grade Ca	rd. The a	ctivities can	be spread	over the y	ears, any time	during the
semester weel	ends, and holida	ys, as per the liking a	nd convenience of the	student from the year of	f entry to the program	n. However, the	minimum ho	ours' requ	irement show	uld be fulfi	lled. Activ	ty Points (non-	-credit) do
not affect SGI	PA/ CGPA and sh	hall not be considered	l for vertical progressi	on. In case students fail	to earn the prescribe	ed activity Point	ts, an Eighth	Semester	Grade Card	shall be is	sued only a	fter earning th	ne required
activity points	. Students shall b	e admitted for the awa	ard of the degree only	after the release of the I	Eighth semester Grad	e Card.							
	00 IV C	1 11 1 1		T D G G G G G G G G G G									
ES or ET of	03 credits Cour	ses shall have only a	theory component (L	2:T:P:S = 3:0:0:0) or if	the nature the of co	urse required p	ractical earning	ng syllab	us shall be c	lesigned a	an Integra	ited course (L:	:T:P:S =



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Ker: WITTWI/T YF/WIE Stream/Scheme/2025-24/001

	(ES-II) Engineering Science Courses - II				(ET-II) Emerging Technology Courses - II			
Code	Title	L	Т	Р	Code	Title	L	Т	P
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	Students shall opt for any one of the courses from the ES-I group except, BESCK104A Introduction to Civi	l Engineering		
• The students have	e 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 (Effective			Autonomous S ar 2023 - 24)	Scheme-	2023)				
II-Sei	mester (Me	chanical Engine	ering Stream)		Physi	ics Group(F	or the stude	nts attended 1	1 st sem u	nder Chemis	try group))		
SI.	Course	Course Code			TD/	Teaching Hours/Week					Examination			
No.	Area	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	BMATM201	M23BMATM201	Mathematics – II for Me stream	Basic Science	2	2	2	0	03	50	50	100	04
2	BS	BPHYC202	M23BPHYC202	Applied Physics for ME Stream	Basic Science	2	2	2	0	03	50	50	100	04
3	ES	BEME203	M23 BEME203	Elements of Mechanical Engineering	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			OR		Any Dept	OR			50 OR		50	100	03	
	PC	BPLCK205x	M23BPLK205x	Programming Language Course-II		2	0	2	0	03				
		BENGK206 x	M23BENGK206 x	Communicative English										
6	HS	BPWSK206	OR M23BPWSK206	Professional Writing Skills in English	Humanities/ Any Dept.	1 OR	0	0	0	01	50	50	100	01
7		BKSKK207 BKBKK207	M23BKSKK207 M23BKBKK207	Samskrutika Kannada/ Balake Kannada	Humanities/	1	0	0	0	01	50	50	100	01
'	HS		OR		Any Dept.	OR	0	0	0	01	50	50	100	01
		BICOK207	M23BICOK207	Indian Constitution										
		BIDTK258	M23BIDTK258	Innovation and Design Thinking	Basic Science/	1	0	0	0	01				
8	AE	OR			Any Dept.		1	OR	r	1	50	50	100	01
		BSFHK258	M23BSFHK258	Scientific Foundations of	. r	1	0	0	0	01				



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Health							
Total				400	400	800	20
SDA-Skill Development Activities, TD/PSB - Teaching Department / Paper Sett	ing Board, BS – Basic Sc	ience Course, ES -	Engineering Science	e Courses,	ET - Emerg	ing Technology Course,	$AE \ -Ability$
Enhancement Course, HSMS - Humanity and Social Science and management Course,	rse, SDC - Skill Developn	nent Course, CIE –	Continuous Internal	Evaluation,	SEE – Seme	ester End Examination, IC	C –Integrated
Course (Theory Course Integrated with Practical Course)	I						
Credit Definition:	04- Credits courses are	e to be designed for 5	0 hours of Teaching	 Learning 	Session		
1- hour Lecture (L) per week = 1Credit	04- Credits (IC) are to	be designed for 40 h	ours' theory and 12	– 14 hours o	of practical se	essions	
2- hours Tutorial (T) per week = 1Credit	03- Credits courses are	e to be designed for 4	0 hours of Teaching	– Learning	Session		
2- hours Practical/ Drawing (P) per week = 1Credit	02- Credits courses are	e to be designed for 2	5 hours of Teaching	- Learning	Session		
2- hours Skill Development Actives (SDA) per week = 1Credit	01- Credit courses are	to be designed for 12	2 – 15 hours of Teach	ning – Learn	ing sessions		
Student's Induction Program: Motivating (Inspiring) Activities under the Indu	ction program - The main	aim of the induction	n program is to pro	vide newly	admitted stud	dents abroad understandin	ng of society,
relationships, and values. Along with the knowledge and skill of his/ her study, st	udents' character needs to l	be nurtured as an ess	ential quality by wh	ich he/ she	would unders	stand and fulfil the respon	sibility as an
engineer. The following activities are to be covered in 21 days. Physical Activ	ity, Creative Arts, University	al Human Values, L	iterary, Proficiency	Modules, L	ectures by E	Eminent People, Visits to	Local areas,
Familiarization with Department/ Branch and Innovation, etc. For details, refer the	ANNEXURE – I of Inducti	on Programs notifica	tion of the Universit	y published	at the beginni	ing of the 1 st semester.	
AICTE Activity Points to be earned by students admitted to BE/ B.Tech.,/ B.Plan	day college program (For n	nore details refer to C	hapter 6,				
AICTE Activity Point Program, Model Internship Guidelines) : Over and above the	e academic grades, every rea	gular student admitte	d to the 4 years Deg	ree program	and every st	udent entering 4years Deg	ree programs
through lateral entry, shall earn 100 and 75 Activity Points respectively for the aw	ard of degree through AICT	TE Activity Point Pro	gram. Students trans	sferred from	other Univer	rsities to the fifth semester	r are required
to earn 50 Activity Points from they are of entry to VTU. The Activity Points earn	ned shall be reflected on the	e student's eighth sei	mester Grade Card.	The activitie	es can be spre	ead over the years, any tir	ne during the
semester weekends, and holidays, as per the liking and convenience of the student	from the year of entry to the	e program. However,	the minimum hours	' requiremer	nt should be f	ulfilled. Activity Points (n	ion-credit) do
not affect SGPA/ CGPA and shall not be considered for vertical progression. In ca	se students fail to earn the	prescribed activity Po	oints, an Eighth Sem	ester Grade	Card shall be	e issued only after earning	g the required
activity points. Students shall be admitted for the award of the degree only after the	release of the Eighth semes	ster 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 t	he of course required	l practical earning s	yllabus shal	ll be designed	d 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 p	pattern of the question paper	r shall be MCQ					



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MYSORE MYSORE

(ES-II) Engineering Science Courses - II					(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					

Code	Title	L	т	Р
		L	1	1
M23BPLK205A	Introduction to Web Programming			
M23BPLK205B	Introduction to Python Programming			
M23BPLK205C	Basics of JAVA programming			<u> </u>
M23BPLK205D	Introduction to C++ Programming			
• The student has to	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	ing	
• The students have	to opt for the courses from ESC group without repeating the course in either 1st or 2nd semester			
• The students must	t select one course from either ET-II or PL-II group.			