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(AICTE Model Curriculum Based Scheme)

Bachelor of Technology (B.Tech.) III Semester (Civil Engineering)

w.e.f. July 2023

					Maxim	um Marks Al	lotted			Contac		Per Week	
~	Subject	Category Code	Subject Name	Theory			Prac	ctical	m.4 1				
S.No.	Code			End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	Т	P	Total Credits
1	MA31	BSC	Mathematics-III	70	20	10	-	-	100	3	1	-	4
2	CH32	HSMC	Energy & Environmental Engineering	70	20	10	_	-	100	3	1		4
3	CE33	PCC	Strength of Material .	70	20	10	30	20	150	3		2	4
4	CE34	PCC	Engineering Geology	70	20	10	30	20	150	3	_	2	. 4
5	CE35	PCC	Building Design and Drawing	70	20	10	30	20	150	3		2	4
6	CE36	ESC	Software Lab-I		-		30	20	50	-	_	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	CE37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	_	-	_	-	-	· ·	-	-	-	8
8	CE38	МС	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifier	·		<u> </u>	I	<u> </u>				
			Minor Specialization	Permitte Honours	d to opt fo (Minor S _l	r maximum two	o additio	onal MOO	C courses in	subject c	ode CE3	7 for the aw	ard of

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

l hour lecture (L) = 1 credit	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 cradit
	I nour Tutorial (1) = 1 credit	I hour Practical (P) = I credit

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Mechanical Engineering)

					Maxim	um Marks Al	lotted		· · · · · · · · · · · · · · · · · · ·	.e.f. July	-	Per Week	<u></u>
	Subject	Category Code	Subject Name	Theory			Practical			Contine	lituars	I CI WCCK	1
S.No.	Code			End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	T	P	Total Credits
1	MA31	BSC	Mathematics-III	70	20	10	-	_	100	3	1	-	. 4
2 .	ME32	HSMC	Material Science	70	20	10	_		100	3	1	_	4
3	ME33	PCC	Mechanics of Materials-I	70	20	10	30	20	150	3	 	2	4
4	ME34	PCC	Manufacturing Process	70	20	10	30	20	150	3		2	4'
5	ME35	PCC	Thermodynamics	70	20	10	30	20	150	3	-	2	4
6	ME36	ESC	Geometric Modelling Lab	-	-	-	30	20	50		 _	4	2
			Tota	350	100	50	120	80	700	15	2	10	22
7	ME37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	· <u>-</u>	-	-	_	-	8
8	ME38	МС	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifier	r			<u>,</u>	-	1		<u>. · · · · · · · · · · · · · · · · · · ·</u>	
Additional Course for Honours or Minor Specialization						r maximum tw	o additio	nal MOO	C courses ir	subject c	ode ME	37 for the aw	ard of

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

1 hour lecture (L) = 1 credit 1 hou	r Tutorial (T) = 1 credit 2 hour Practical (P) = 1 credit
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Honours (Minor Specialization).

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Electrical Engineering)

				Maximum Marks Allotted						c.e.f. July Contac		Per Week	
S.No.	Subject Code	Category	Subject Name	Theory Practical			ctical	7F 4 1			***	1	
		Code		End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	Т	P	Total Credits
1	MA32	BSC	Mathematics-Ⅲ	70	20	10	-		100	3	1		4
2	CH32	HSMC	Energy & Environmental Engineering	70	20	10		-	100	3	1		4
3	EE33	PCC	Circuit Theory & Network Analysis	70	20	10	30	20	150	3	 	2	4
4	_EE34	PCC	Analog & Digital Electronics	70	20	10	30	20	150	3	-	2	4
5	EE35	PCC	Electrical Measurement & Measuring Instrument	70	20	10	30	20	150	3	-	2	4
6	EE36	ESC	Software Lab		-	_	30	20	50	 -	 	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	EE37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-		-	-	-		-	8
8	EE38	МС	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifie		·	ı	.	<u>.</u>	<u> </u>			
Additic	onal Course f	or Honours or	Minor Specialization	Permitte Honours	d to opt fo	r maximum two	o additio	onal MOO	C courses in	n subject o	ode EE3	7 for the aw	ard of

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

1 hour lecture (L) = 1 credit	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Electronics & Tele Communication Engineering)

г.		<u> </u>							W	.e.f. July	2023		
					<u>Maxim</u>	ium Marks Al	lotted			Contac	t Hours	Per Week	
	Subject	Category Code	Subject Name	Theory			Practical		75 4 1				1
S.No.	Code			End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	T	P	Total Credits
1	MA32	BSC	Mathematics-III	70	20	10	-	-	100	3	1	_	4
2	СН32	HSMC	Energy & Environmental Engineering	70	20	10	_	-	100	3	1	_	4
3	EC33	PCC	Electronic Devices & Circuits	70	20	10	30	20	150	3		2	4
4	EC34	PCC	Signals & Systems	70	20	10	30	20	150	3	-	2	4
_ 5	EC35	PCC	Network Analysis	70	20	10	30	20	150	3	 	2	4
6	EC36	ESC	Electronic Workshop	-	-	-	30	20	-50			4	2
,			Total	350	100	50	120	80	700	15	2	10	22
7	EC37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	. -	-	-	-	8
8	EC38	МС	NSS/NCC/Swatchhata	Qualifier		<u> </u>		<u>. </u>		<u> </u>	<u>I</u>	<u> </u>	**
Additional Course for Honours or Minor Specialization					Permitted to opt for maximum two additional MOOC courses in subject code EC37 for the award of Honours (Minor Specialization).								

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

Thour Tutorial $(T) = 1$ credit 2 hour Practical $(P) = 1$ credit 2 hour Practical $(P) = 1$ credit

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Computer Science & Engineering)

w.e.f. July 2023

			-		Maxim	um Marks Al	lotted			Contac		Per Week	
	Subject	Category Code	Subject Name	Theory			Prac	etical	70 - 4 - 1				
S.No.	Code			End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	Т	P	Total Credits
1	MA33	BSC	Mathematics-III	70	20	10	-	- ′	100	3	1	-	4
2	CH32	HSMC	Energy & Environmental Engineering	70	20	10	-		100	3	1		4
3	CS33	PCC	Data Structures & Algorithms	70	20	10	30	20	150	3	-	2	4
4	CS34	PCC	Object Oriented Programming	70	20	10	30	20	150	3	_	2	4
5	CS35	PCC	Digital Electronics	70	20	10	30	20	150	3	T	$\frac{}{2}$	4
6	CS36	ESC	Software Lab-I (Python)		-	-	30	20	50	-	_	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	CS37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	_	-	-	-	-	- -	-	-	-	8
8	CS38	МС	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifier						-1		·····	
		Water Company of the		Honours		r maximum two	o additio	nal MOO	C courses ir	subject o	ode CS3	7 for the aw	ard of

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

1 hour lostum (I) = 1 and it	11 75 11 (77)	
I hour lecture (L) = 1 credit	I hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit
	Thous tutorius (1) I credit	

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Information Technology)

					Maxin	ium Marks All	lotted		7/2/2005 - TUCC			Per Week	ngatatikan nga palaman <u>sosto</u> i sama nga palaman
	Subject	Category Code	Subject Name	Theory			Practical		707 4 1			V#V	
S.No.	Code			End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	T	P	Total Credits
1	MA33	BSC	Mathematics-III	70	20	10	-	_	100	3	1	_	4
_ 2	CH32	HSMC	Energy & Environmental Engineering	70	20	10	_	_	100	3	1	_	4
3	IT33	PCC	Data Structure and Algorithm	70	20	10	30	20	150	3		2	4
4	IT34	PCC	Object Oriented Concept on C++	70	20	10	30 .	20	150	3		2	4
5	IT35	PCC	Electronics and Digital Circuits	70	20	10	30	20	150	$\frac{3}{3}$		2	4
6	IT36	ESC	Software Lab-I	-	-		30	20	50	-	_	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	IT37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	8
8	IT38	MC	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifier	•	<u></u>		I		<u> </u>			·*
		or Honours or	Permitted to opt for maximum two additional MOOC courses in subject code IT37 for the award of Honours (Minor Specialization).										

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

1 hour lecture (L) = 1 credit	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit
	Thou futorial (1) Toront	2 hour Practical (P) = 1 credit

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Industrial & Production Engineering)

				r ·	B/T	3.01 A 11				e.f. July			
1	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						Contact Hours Per Week			
S.No.				Theory			Practical		Total				FF-4-1
5.NO.				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Marks	L	T	T P	Total Credits
1	MA31	BSC	Mathematics-III	70	20	10	-	-	100	3	1		4
2	CH32	HSMC	Energy & Environmental Engineering	70	20	10	-	-	100	3	1		4
3	IP33	PCC	Mechanics of Materials	70	20	10	30	20	150	3	<u> </u>	2	4
4	IP34	PCC	Machine Drawing & CAD	70	20	10	30	20	150	3		2	4
5	IP35	PCC	Thermodynamics	70	20	10	30	20	150	3		2	4
6	IP36	ESC	Software Lab	_	-	-	30	20	50	<u> </u>	-	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	IP37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	<u>-</u>	-	-	-	8
8	IP38	МС	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifier	<u> </u>	<u></u>			. ''	.1	<u> </u>		
			Minor Specialization	Honours	l to opt fo (Minor Sp	r maximum two pecialization).	o additio	nal MOO	C courses ir	ı subject c	ode IP37	for the awa	rd of

OC/NPTEL subjects shall be taken with permission of HOD/Coordinator

	· · · · · · · · · · · · · · · · · · ·	
l hour lecture (L) = 1 credit	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit
		2 Hour Tractical (1) 1 Great

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Artificial Intelligence & Data Science)

w.e.f. July 2023

				<u> </u>	7	~			- W	e.f. July			
	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						Contac	ontact Hours Per Week		
S.No.				Theory			Practical		Total				Total
5.110.				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Marks	L	Т	P	Credits
1	MA33	BSC	Mathematics-III	70	20	10	-	-	100	- 3	1	_	4
2	CH32	HSMC	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
3	AI33	PCC	Data Structure and Algorithm	70	20	10	30	20	150	3	-	2	4
4	AI34	PCC	Object Oriented Programming Using JAVA	70	20	10	30	20	150	3	-	2	4
5	AI35	PCC	Digital Logic Design & Computer Organization	70	20	10	. 30	20	150	3	_	2	4
6	AI36	ESC	Software Lab-I (Python)	-	-	-	30	20	50	<u>-</u> ·	-	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	AI37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	8
8	AI38	MC	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifier	•	·			<u></u>	<u> </u>		. <u> </u>	
			Minor Specialization			r maximum two	o additic	nal MOO	C courses in	ı subject c	ode AI37	for the awa	ırd of

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

1 hour lecture (L) = 1 credit 1 hour Tutorial (T) = 1 credit 2 hour Practical (P) = 1 credit

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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Bachelor of Technology (B.Tech.) III Semester (Mechatronics Engineering)

w.e.f. July 2023

1									. 77	te.i. July			
i	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						Contact Hours Per Week			
				Theory			Practical		m . 1				
S.No.				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work	Total Marks	L	T	P	Total Credits
1	MA34	BSC	Mathematics-III	70	20	10	-	-	100	3	1	-	4
2	CH32	HSMC	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
3	MT33	PCC	Digital Electronics	70	20	10	30	20	150	3	-	2	4
4	MT34	PCC	Strength of Materials	70	20	10	30	20	150	3	-	2	4
5	MT35	PCC	Electronic Instrumentation & Drives	70	20	10	30	20	150	3	_	2	4
6	MT36	ESC	Production Lab	_	- "		30	20	50	-	_	4	2
			Total	350	100	50	120	80	700	15	2	10	22
7	MT37	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	_	-	-	-	<u>-</u>	-	-	-	8
8	MT38	MC	NSS/NCC/Swatchhata Abhiyan/Rural Outreach	Qualifie	•	*				1		-, <u>.</u>	
			Minor Specialization	Honours		r maximum two	o additic	onal MOC	C courses in	subject c	ode MT3	37 for the aw	ard of

Note: MOOC/NPTEL subjects shall be taken with permission of HOD/Coordinator

	•	
1 hour lecture (L) = 1 credit	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit

BSC: Basic Science Course, HSMC: Humanities & Social Sciences including Management Course, PCC: Professional Core Course, ESC: Engineering Science Course, MC: Mandatory Course, DLC: Distance Learning Course

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