Batch admitted 2022-2026 onwards

B.Tech. I Semester (Electronics Engineering)

						Maxin	num Marks	Allotted				Con	tact Ho	urs				Duration of
					Theory	Slot			Practical Slo	ot		p	er weel	k				Exam
s.	Subject	Categor		End	Sem.					Skill	Total				Total	Mode of	Mode of	
No.	Code	y Code	Subject Name	End Term Evaluat ion	⁸ Proficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work & Sessional	Based Mini Project	Marks	L	Т	P	Credits	Teaching	Exam.	
1.	2100022	BSC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
2.	2140121	DC	Electronic Engineering Material	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
3.	2140122	DC	Electronic Devices	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	2140123	DC	Network Theory	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	2160122	ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6.	2140124	DLC	Devices & Network Lab	-	-	-	-	60	20	20	100	-	-	4	2	Offline	AO	2 Hrs
		To	tal	250	50	100	100	180	60	60	800	11	4	8	19			
6	3000002	Natural Sciences and Skills	Engineering Chemistry eeks (MC):Physical activity,	50	10	20	20	-	-	10	-	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Innovations. ⁸Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular

course/subject

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Science / Language Credits of Natural Sciences & Skills will be added in the VI Semester.

MCQ: Multiple Choice Question

AO: Assignment + Oral

OB: Open Book **PP:** Pen Paper **SO:** Submission + Oral

]	Mode of Teachi	ing			Mode of E	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Bler	nded	Offline	PP	A+O	мсо	so	
Offine	Online	Offline	Online	Offine	11	ATO	MCQ	30	
0	0	10	5	8	9	6	4	0	19
0%	0%	52.63%	26.31%	42.10%	47.36%	31.57%	21.05%	0%	

B.Tech. II Semester (Electronics Engineering)

						Maxii	mum Mark	s Allotted	l			Cont	act H	ours				
					Theor	y Slot			Practical SI	ot		pe	er wee	k				
N	o Subject Code	Category Code	Subject Name	End End Term Evalu ation	Profici ency in subject /course	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work & Sessional	Skill Based Mini Project	Total Marks	L	Т	P	Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam
1	. 2100011	BSC	Engineering Mathematics –I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2	. 2140221	DC	Digital Circuits &Systems	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3	. 2140222	DC	Electronic Circuits	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
4	. 2140223	DC	Signals and Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5	. 2140224	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	1.5 Hrs
		Total		250	50	100	100	180	60	60	800	11	5	6	19			
•	3000001	Natural Sciences and Skills		50	10	20	20	1	-	-	-	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
		Summe	er Internship Pro	oject – I	(Institute	Level)	(Qualifie	r): Min	imum two-	week dur	ation: E	valua	tion	in III	Semester	•		

^{\$}Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

Credits of Natural Sciences & Skills will be added in the VI Semester.

MCQ: Multiple Choice Question AO: Assignment + Oral OB: Open Book PP: Pen Paper SO: Submission + Oral

	N	Mode of Teach	ing			Mode of E	xamination		Total
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Bler	ıded	Offline	PP	A+O	MCO	so	Credits
Offfine	Online	Offline	Online	Olline	Pr	A+O	MCQ	50	
4	0	8	4	6	15	4	0	0	19
21.05%	0%	42.10%	21.05%	31.57%	78.94%	21.05%	0%	0%	

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Department of Electronics Engineering

Scheme of Examination (For Batch admitted in Year 2022-23)

B.Tech. (Electronics Engineering) III Semester [For batches admitted in Academic Session 2022-23 onwards]

	ubject Code	Category	Subject Name		8/	Maximum	Marks Allotted	l					tact H			_	
No.		Code			Theory Sl	ot			Practical Slo	ot		po	er we	ek		Mode of	
				En	d Sem.	Mid	Quiz/	End	Lab Work	Skill	Total	L	T	P	Total	Teaching	Mode of
				End Term Evaluation	\$Proficiency in subject /course	Sem. Exam.	Assignment	Sem	& Sessional	Based Mini Project	Marks				Credits	(Offline/ Online)	Exam.
1.	21000025	BSC	Engg Mathematics-II	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
2.	2140320	DC	Analog Communication	50	10	20	20	60	20	20	200	2	1	2	4	Offline	PP
3.	2140322	DC	Analog Integrated Circuits	50	10	20	20	60	20	20	200	2	1	2	4	Offline	PP
4.	2140323	DC	Communication Networks	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
5.	2140324	DC	Data Communication	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
6.	2140321	DLC	Hardware Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO
7.	2140316	DLC	Self-learning/ Presentation#	-	-	-	-	-	40	-	40	-	-	2	1	Online +Mentoring	SO
8.		CLC	Novel Engaging Course	-	-	-		50	-	-	50	-	-	2	1	Interactive	SO
9.	2140317	DLC	Summer Internship Project–I (Institute Level Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO
		Total		250	50	100	100	290	100	60	950	10	5	14	22		
10.	3000003	Natural Science & Skill	Environmental Engineering	50	10	20	20	ı	-	-	100	2	-	-	Grade	Online	MCQ
11	1000001	MAC	Indian Constitution and Traditional Knowledge	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

*Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation

		Mode	of Teachin	g	-		N	Mode of Ex	aminatio	1	
	Th	eory		Lab	NEC		Theory		Lab	SIP/ SLP/ NEC	Total Credits
Offline	Online	Bler	ıded	Offline	Interactive	PP	A+O	MCO	SO	SO	Total Credits
Offinie	Onnie	Offline	Online	Offilite	Interactive	11	ATO	MCQ	30	30	
17	0	0	0	4	1	17	0	0	2	3	22
77.27%	0	0	0	18.1%	4.54%	77.27%	0%	0%	9.09%	13.63%	Credits %

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Scheme of Evaluation

B. Tech IV Semester (Electronics Engineering) (for batch admitted in academic session 2022-23)

						Maximu	ım Marks All	otted				C	onta	ct				
					Theor	y Slot			Practical S	Slot			urs j week					
S.	Subject	Category	Subject Name	I	nd Term		ntinuous	Б	Contin Evalu		Total				Total	Mode of Teaching	Mode of	Duration
No.	Code	Code		Ev	aluation	EV	aluation	End	Lab	Skill	Marks		T	P	Credits		Exam	of Exam
				End Sem. Exam	^S Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam	Work & Sessional	Based Mini Project		L	1	P				
1.	2100003	BSC	Engineering Mathematics-	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
2.	2140411	DC	Digital Communication	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	2140412	DC	Linear Control Theory	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
4.	2140413	DC	Microprocessor & Interfacing	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5	2140414	DLC	Software Lab (Introduction to MATLAB)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
5.	2140415	DC	Cyber Security	50	10	20	20	-	-	-	100	2	-	-	2	Blended	MCQ	1.5 Hrs
6.	200xxx	CLC	Novel Engaging Course (Informal Learning)	-	-	-		50	-	-	50	-	-	2	1	Interactive	SO	-
	•		Fotal	250	50	100	100	230	60	60	850	12	4	8	20	-	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	-	-	-	100	1	-	-	Grade	Blended	MCQ	1.5 Hrs
8.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ	1.5 Hrs
			Summer Internship Projec	t – II (In	stitute Level)	(Qualifi	er): Minimun	ı two-v	veek durati	on: Evalu	ation in	V S	emes	ster.				

\$Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject.

Credits of Natural Sciences & Skills will be added in the VI Semester.

		Mode of Teachi	ng			Mode of E	xamination		
	Т	heory		Lab		Theory		Lab	Total Credits
Offline	Online		ıded	Offline	PP	AO	MCO	so	Total Credits
Offinie	Onnie	Offline	Online	Onnie	11	AU	MCQ	30	
-	-	12	6	2	15	-	3	2	20
-	-	60.00%	30.00%	10.00%	75.00%	-	15.00%	10.00%	100%

(Deemed to be University)
(Declared Under Distinct Category by Ministry of Education, Government of India)

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Scheme of Examination (For the Batch Admitted in the Year 2022-2023)

B.Tech. (Electronics Engineering) V Semester [For batches admitted in Academic Session 2022-23 onwards]

Categor | Subject Name | Maximum Marks Allotted | Contact |

ubject Code	Categor	Subject Name		Ma	aximum N	Aarks Allo	tted				C	onta	ct			
	y Code	5.00		Theory S	lot			Practical	Slot						Mode of	Mada
			End	Sem.	Mid	Quiz/	En	Lab	Skill	Total	L	T	P	Total		Mode
				^S Proficiency	Sem.	Assignme	d	Work	Based	Marks				Credits	(Offline/	of
			End Term	in subject	Exam	nt	Se	&	Mini						Online)	Exam.
			Evaluation	/course			m	Session	Project							
								al	20							
2140511	DC	Data Science	50	10	20	20	60	20	20	200	3	-	2	4	Blended	MCQ
2140512	DC	Mobile									2	1	-	3	Blended	
		Communication	50	10	20	20	-	-	-	100						PP
		& 5G Network														
2140515	DC	VLSI Design	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP
2140519	DC	Electromagnetic Theory	50	10	20	20	-	-	-	100	2	1	•	3	Blended	PP
2140520	DC	Digital Signal Processing	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
2140516	DLC	Minor Project-I	-	-	-	-	60	40	-	100	-	-	4	2	Offline	SO
2140517	DLC	Self-learning/ Presentation	-	-	-	-	-	40		40	1	-	2	1	Online +Mentoring	SO
	CLC	Novel Engaging Course		-	-	-	50	-	-	50		-	2	1	Interactive	SO
2140518	DLC	Soft Skill Internship (Institute Level Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO
	Total		250	50	100	100	290	120	40	950	11	4	16	23		
Additional			F2. CO. C.	10.41 11.522 55 12 105/50-51				No. 100 1			0.0000000			200	or specialization	
	, c		n for one onli	ne course using	SWAYAN	I/NPTEL/	MOOC	evaluation	through atte	endance, assign	ıment	s and	l pres	entation		
1000006	MAC	Disaster Management	50	10	20	20	-	-	-	100	2	_	-	Grade	Blended	MCQ
Honors				dar Systems	1 2				'erilog							
Minors	2 50					7 minog		co.gu	Fundamen					- 1005 to C	nemto	
	2140511 2140512 2140515 2140519 2140520 2140516 2140517 2140518 Additional	2140511 DC 2140512 DC 2140515 DC 2140519 DC 2140516 DLC 2140517 DLC CLC 2140518 DLC Total Additional Courses for 1000006 MAC Honors 2 Ste	2140511 DC Data Science 2140512 DC Mobile Communication & 5G Network 2140515 DC VLSI Design 2140519 DC Electromagnetic Theory 2140520 DC Digital Signal Processing 2140516 DLC Minor Project-1 2140517 DLC Self-learning/ Presentation CLC Novel Engaging Course 2140518 DLC Soft Skill Internship Institute Level Evaluation) Total Additional Courses for obtaining Honors/Minor compulsory registratio 1000006 MAC Management 1. Principles and Techniques 4 Stochastic Control & Con	Self-learning/Presentation	V Code	V Code	V Code	Value Find Sem. Mid Sem. Assignme Int Sem. Sem.	Practical End Sem.	V Code	V Code	V Code	V Code	Variable Variable	V Code Find Theory Slot Find Find	Proficiency Factor Proficiency End Term Evaluation Proficiency End Term Proficiency

Department of Electronics Engineering May 2024

(Deemed University)

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Scheme of Evaluation B. Tech. VI Semester (Electronics Engineering)

(for batch admitted in academic session 2022-23 Mode of Subject Categ **Subject Name Maximum Marks Allotted** Total Contact Total Code Marks Hours per Credits Teaching of orv **Theory Slot Practical Slot MOOCs** Code week Exam. End Continuous Assign Exam P **End Term** Continuous **Evaluation Evaluation Evaluation** ment Sem. \$Proficie Mid Quiz/ Exam. Lab Skill End work & Based Sem. ncy in Sem. Assign Exam. subject Exam. ment Sessiona Mini /course Project 2140616 DC Microcontroller Systems and 50 10 20 20 60 20 20 200 3 2 4 Blended PP Applications Departmental Elective* (DE-1) 140XXX DE 25 75 100 3 3 Blended PP 900XXX Open Category (OC-1)** 50 10 20 20 100 3 3 Blended PP 2140617 MC Artificial Intelligence & Machine 50 10 20 3 Blended MCO 20 60 20 20 200 2 4 Learning 2140618 DLC Minor Project-II# 60 40 100 3 Offline SO 6 _ _ _ 200XXX CLC Novel Engaging Course 50 50 2 SO 1 Blended (Informal Learning) NSS Natural Sciences & Skills## 2* 7 200 40 80 80 120 40 40 600 2 70 350 25 75 20 Total 350 140 140 120 80 1350 13 14 Intellectual Property Rights (IPR) 10 20 2 1000007 MAC 100 GRADE Online MCQ Summer Internship-III (On Job Training) for Four weeks duration: Evaluation in VII Semester Additional Course for Honours or minor Specialization Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization

^{**} Course run in traditional mode #The minor project-II may be evaluated by an internal committee for awarding sessional marks.

,	*This course run through SWAYA	AM/NPTEL/ MO	OC platform
,	*DE-1 (SWAYAM/NPTEL/ MOOC platform)	**Open Category	(OC-1)(For students of other branches)
140665	Electromagnetic Waves in Guided and Wireless Media	900116	Embedded Systems
140662	Digital IC Design	900117	Intelligent Control
140663	Fuzzy sets, logic and System & Applications		

^{##}Natural Sciences & skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

^{(&}quot;Natural Sciences & skills; treated as Mandatory Audit Courses from first to fourth semester and cumulative marks converted as a cluster of credits and awarded in the VI semester)

Sproficiency in course/subject-includes the weightage towards ability/skill/competence/knowledge level/ expertise attained etc. in that particular course/subject. \$\$MCQ: Multiple Choice Question \$\$AO: Assignment + Oral \$\$PP: Pen Paper \$\$SO: Submission + Oral

^{*}Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform with credit transfer

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Scheme of Examination (B.Tech. Electronics Engineering)

B.Tech. VII Semester [For batches admitted in Academic Session 2022-23 onwards

							Maximu	m Marks	Allotted						act H		Total	Mode of	Mode
					T	heory Slot			Practica	al Slot	МОО	Cs		p€	er wee	ek	Credit s	Teaching	of Exam
S. No.	Subject Code	Categ ory Code	Subject Name		Term uation	Continuo	ıs Evaluation	End Sem.		ntinuous aluation	Assignment	Exam	Total Marks	L	T	P			
				End Sem. Exam.	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Exam.	Lab work & Sessional	Skill Based Mini Project									
1.	21407XX	DE	*Departmental Elective(DE-2)	-	-	-	-	-	-	-	25	75	100	4	-	-	4	Blended	MCQ
2.	21407XX	DE	*Departmental Elective(DE-3)	-	-	-	-	-	-	-	25	75	100	4	-	ı	4	Blended	MCQ
3.		OC	#Open Category (OC-2)	50	10	20	20	-	1	-	-	-	100	3	-	-	3	Blended	MCQ
4.	2140704	DLC	5G Communication Lab	-	-	-	-	60	20	20	-	-	100	-	-	6	3	Offline	SO
5.	2140705	DLC	Creative Problem Solving	-	-	-	-	25	25	-	-	-	50	-	-	4	2	Offline	SO
6.	2140703	DLC	**Professional Skills & Competencies	-	-	-	-	40	60	-	-	-	100	-	-	4	2	Offline	SO
7.	2140702	DLC	Summer Internship Project-III (04 weeks) (Evaluation)	-	-	-	-	60	-	-	-	-	60	-	-	4	2	Interactive	SO
	·		Total	50	10	20	20	185	105	20	50	150	610	11	-	18	20		
8.		MA C	Universal Human Values & Professional Ethics (UHVPE)	50	10	20	20	-	-	-	-	-	100	2	-	-	RAD E	Blended	MCQ
	Additional	Cour	se for Honours or minor		P	ermitted to	opt for max	imum t	wo addit	ional courses	for the awa	rd of Ho	onours	or Mi	nor s	specia	lizati	on	

Specialization

#Course will run through MITS MOOCs

MCQ: Multiple Choice Question

AO: Assignment + Oral

PP: Pen Paper **SO:** Submission + Oral

SProficiency in subject / course - includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained, etc. in that particular course/subject

^{**} Professional Skills & Competencies will include and prepare the students on coding skills, technical proficiency (industry readiness and higher studies), aptitude, communication & soft skill set, etc.

^{*}Course will run through SWAYAM/NPTEL platform with credit transfer

(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

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	Mode of Teachi	ng		Mode of I	Examination		
Offline	Blended	Interactive	PP	AO	MCQ	so	Total Credits
7	11	2	0	0	11	9	20
35%	55%	10%	0%	0%	55%	45%	Credits %

* This course must be run through SWAYAM/NPTEL/ MOOC

Department Electives-2 (DE-2)	Digital Image Processing	Microwave Engineering	Fundamentals of Micro and Nanofabrication		
(MOOCS) (21407XX)	(2140751)	(2140754)	(2140755)		
Department Electives-3 (DE-3)	Introduction to Wireless and	Fiber Optic Communication	Real Time Digital Signal Processing		
(MOOCS) (21407XX)	Cellular Communications	Technology	(2 <mark>140764)</mark>		
	(2140763)	(2140762)			
Open Course-2 (OC-2)	Consumer Electronics				

SSMCQ: Multiple Choice Question SSAO: Assignment + Oral SSPP: Pen Paper SSO: Submission + Oral

Honors	Introduction To Adaptive Signal Processing	VLSI Interconnects	Stochastic Control & Communication	Analog VLSI Design	VLSI Design flow(RTL to GDS)
Minors	Design of Photovoltaic Systems	Microwave Engineering			