#### Batch admitted 2022-2026 onwards

B.Tech. I Semester (Electronics and Telecommunication Engineering)

ubject Code	Catego																
ubject	Catego			Theory	Slot			Practical SI	ot ·		pe	r wee	k		100	Mode	of Exam
			End S	Sem.					Skill	Total				Total	Mode of	The state of the s	
Coue	Code	Subject Name	End	SProfici	Mid	Quiz/	End	Lab	Based	Marks		Т	P	Credits	Teaching	of Exam.	\$
	Code		Term	ency in	Sem.	Assignm	Sem.	Work &	Mini		L	1	P			LAAIIL	3
			tion	/course	Exam.	ent		Sessional	Project					e de la companya de l	347. A	7 700	K.
2100022	BSC	Basic Electrical &							20	200	•		,		Blended	MCG	1.5 Hrs
		Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4 7 7 1		MICO	
2200121	DC	Electronic Engineering Material	50	10	20	20	- 1	-		100	3		-	3.		To the A	2 Hrs
2200122	DC	Electronic Devices	50	10	20	20	-	-		100	2	1	-	3	Blended	3.50	2 Hrs
2200123	DC	Network Theory	50	10	20	20	-	-	-	100	2	1	-		Blended	- 1 18 15 15 m	2 Hrs
2160122	ESC		50	10	20	20	60	20	20	200	2	1	2	2 4	Blended	AO	2 Hrs
220012	4 DLC	Devices &	-	-	-	-	60	20	20	100	-	-	4	2.1	Offline	AO	2 Hrs
1			250	50	100	100	180	60	60	800	11	4	8	19			
	2 Nat Science	ural Engineering ces and Chemistry	50	10	20	20	-	-	10	-	l	-	2	GRADE	Blended	MCQ	1.5 Hrs
	2200121 2200122 2200123 2160122 220012	2200121 DC 2200122 DC 2200123 DC 2160122 ESC 2200124 DLC  3000002 Nat Science	Electronics Engineering  2200121 DC Electronic Engineering Material  2200122 DC Electronic Devices  2200123 DC Network Theory  2160122 ESC Computer Programming  2200124 DLC Devices & Network Lab  Total  3000002 Natural Engineering Sciences and Chemistry	100022   BSC	100022   BSC   Basic Electrical & Electronics   50   10	100022   BSC   Basic Electrical & Electronics   50   10   20	Total   Since   Course   Cou	100022   BSC   Basic Electrical & Electronics   50   10   20   20   60	100022   BSC   Basic Electrical & Electronics   50   10   20   20   60   20	Total   Secondard   Sciences and   Secondard   Sciences and   Secondard   Sciences and   Secondard   Secondard	Total   Security   S	Total   SSC   Basic Electrical & Electronics   50   10   20   20   60   20   20   20   20   2	100022   BSC   Basic Electrical &   Electronics   Engineering   S0   10   20   20   20   20   20   20   2	100022   BSC   Basic Electrical &	Total   Security   S	Total   Tota	100022   BSC   Basic Electrical & Electronics   50   10   20   20   60   20   20   20   20   2

Familiarization to Dept./Branch & Innovations. Proficiency in course/subject - includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular

course/subject Natural Sciences& Skills, Lugineering Physics, Engineering Chemistry, Environmental Science, Language

MCQ: Multiple Choice Question

with wait he added in the Al Semest. AO: Assignment + Oral

OB: Open Book

PP

-9

47.36%

PP: Pen Paper SO: Submission + Oral

Theory

A+0

31.57%

DEAN (ACADEMICS) M.I.T.S **GWALIOR** 

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A C PA		heory	教师等的统一	1 1 1	Cotto
S	- S. W.	B	lended -		Offline
Offline	Online	Offline	Onlin	ae 🦠	today or
	0	10	为7年45	1. 1870	1.5184
0% ^	10%	52.63%	26.31	%	42:109
	1 1000	/ 1.	-0-		
1/0	, 1	Sush	- r		

MCQ

4

21.05%

Mode of Examination

Total Credits

Lab

SO

Department of Flectronics Engineering

MITS Gwalior

#### Batch admitted 2022-2026 onwards

B. Tech. II Semester (Electronics and Telecommunication Engineering)

	T					Maxin	num Marks	Allotted	-			1331550000	act H					
					Theory	Slot			Practical SI	ot		pe	er wee	k				
S. No.	Subject Code	Category Code	Subject Name	End End Term Evalu ation	Sem. Sem. 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		(-10)	44 <u>-</u>	100	3	1	-	4	Offline	PΡ	2 Hrs
2.	2200221	DC	Digital Circuits	50	10	20	20	60	20	20	200	2	, I .	2	4	Blended	PP.	2 Hrs
3.	2200222	DC	Electronics	50	10	20	20	60	20	20	200	2,	ı	2	4 3		PP	
-	2200223	DC	Circuits Signals and	50	10	20	20	•	-	-	100	2	ı	-	3	Blended	PP	2 Hrs
5.	2200224	DC	Systems Python	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	1.5 Hrs
3.	1	Total	Programming	250	50	100	100	180	60	60	800	11	5	6	19		*	1.5 Hrs
6	300000		es Physics	50	10 ′	20	20	300	1	1.6247	(1) (1)	111	#2 3 5 - 1	2	GRADE	Blended	MCQ	

Summer Internship Project - I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation 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 1 anguage

Credits of Natural Science A Stall, out by added in the VI Semester

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

EAN (ACADEMICS) MJ.T.S GWALLOR

		lode of Teach	ing	No. of State		Mode of E	vamination		lotal
		heory	To continue hour	Lab		Theory	The second second	Lab	Credits
April 1988	and the second		nded	Offline	PP	A+0	MCQ	so	
Offline	Online	Offline	Online	Ollinic	739		0	0	19
4 10 1	0	8	4	6	15	4	0%	0%	
4 059/ 0	00%	42 10%	21.05%	31.57%	78.94%	21.05%	070		

Department of Electronics Engineering MITS Gwalior -

Shorme God 2023/6/16-14

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

## **Department of Electronics Engineering**

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

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

S.	ubject Code	Category	Subject Name			Maximum	Marks Allotte	d						lours			
No.		Code			Theory Sl	ot			Practical Slo	ot		pe	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	<sup>\$</sup> 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.	2200320	DC	Analog Communication	50	10	20	20	60	20	20	200	2	1	2	4	Offline	PP
3.	2200322	DC	Analog Integrated Circuits	50	10	20	20	60	20	20	200	2	1	2	4	Offline	PP
4.	2200323	DC	Communication Networks	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
5.	2200324	DC	Data Communication	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
6.	2200321	DLC	Hardware Lab	-	-	-	-	60	20	20	100	-	- 1	2	1	Offline	SO
7.	2200316	DLC	Self-learning/ Presentation <sup>#</sup>	-	-	-	-	-	40	-	40	-	-	2	1	Online +Mentoring	SO
8.		CLC	Novel Engaging Course	-	-	-		50	-	-	50	-	1	2	1	Interactive	SO
9.	2200317	DLC	Summer Internship Project–I (Institute LevelEvaluation)	-	-	-	-	60	-	-	60	-	ı	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	-	-	-	100	2	1	-	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	ıg			N	Mode of Ex	aminatio	n	
	The	eory		Lab	NEC		Theory			SIP/ SLP/ NEC	Total Credits
Offline	Online	Bler	ıded	Offline	Interactive	PP			SO	so	Total Credits
Offine	Omne	Offline	Online	Offinie	mieractive	FF	A+O MCQ		30	80	
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 %

(A Govt. Aided UGC Autonomous Institute, Affiliated to RGPV, Bhopal (M.P.) India)

NAAC Accredited with A++ Grade

### Scheme of Evaluation

## B. Tech IV Semester (Electronics & Telecommunication Engineering)

												(fe	or ba	itch	admitted	in academi	c session	n 2022-23)
						Maximu	ım Marks All	otted				Co	onta	ct				Duration
					Theor	y Slot			Practical S	Slot			urs j veek					of Exam
S. No.	Subject Code	Category Code	Subject Name		nd Term aluation		ntinuous aluation	End	Contin Evalu Lab		Total Marks	L	Т	P	Total Credits	Mode of Teaching	Mode of Exam	
				End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam	Work & Sessional	Based Mini Project		L	1	P				
1.	2100003	BSC	<b>Engineering Mathematics- III</b>	50	10	20	20	-	-	ı	100	3	1	-	4	Blended	PP	2 Hrs
2.	2200411	DC	<b>Digital Communication</b>	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	2200412	DC	<b>Linear Control Theory</b>	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
4.	2200413	DC	Microprocessor & Interfacing	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5	2200414	DLC	Software Lab (Introduction to MATLAB)	-	1	-	-	60	20	20	100	1	1	2	1	Offline	SO	-
5.	2200415	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	ı	1	2	1	Interactive	SO	-
			Total	250	50	100	100	230	60	60	850	12	4	8	20	•	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	-	-	1	100	1	1	-	Grade	Blended	MCQ	1.5 Hrs
8.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	ı	-	Grade	Online	MCQ	1.5 Hrs
		Sun	nmer Internship Project –	II (Insti	tute Level) (	Qualifie	er): Minimu	m two	-week dur	ration: E	valuatio	n in	$\overline{\mathbf{V}}$ S	Sem	ester.			

\$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		
	T	heory		Lab			Lab	Total Credits	
Offline	Online	Blei	nded	Offline	PP	AO	MCO	so	Total Credits
Offinie	Omne	Offline	Online	Offinie	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)

NAAC Accredited with A++ Grade

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

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

S.	ubject Code	Categor	Subject Name		I	Maximum	Marks Allo	tted				C	onta	ct			
No.		y Code			Theory ?	Slot			Practical S	lot			urs				
				End	Sem.	Mid	Ouiz/	End	Lab	Skill		L	week T	P	7D ( 1	Mode of	Mode
				Enu	\$Proficiency	Sem.	Assignment	Sem	Work &	Based	Total Marks	L	1	1	Total Credits	Teaching (Offline/	of
				End Term	in subject	Exam.			Sessional	Mini	Maiks				Creuns	Online)	Exam.
				Evaluation	/course					Project							
1.	2200511	DC	Data Science	50	10	20	20	60	20	20	200	3	-	2	4	Blended	MCQ
l _	2200512	DC	Mobile									2	1	-	3	Blended	
2.			Communication	50	10	20	20	-	=	-	100						PP
_	2200515	DC	& 5G Network	7.0	10	20	20		20	20	200	3	_	2	4	Blended	D.D.
3.			VLSI Design	50	10	20	20	60	20	20	200						PP
4.	2200519	DC	Electromagnetic Theory	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
5.	2200520	DC	Digital Signal	50	10	20	20	-	_	-	100	2	1	-	3	Blended	PP
	2200516		Processing								400					0.00:	7.0
6.		DLC	Minor Project-I	-	-	-	-	60	40	-	100	-	-	4	2	Offline	SO
7.	2200517	DLC	Self-learning/ Presentation	-	-	-	-	-	40	-	40	-	-	2	1	Online +Mentoring	SO
8.		CLC	Novel Engaging Course	-	-	-	-	50	0	-	50	_	-	2	1	Interactive	SO
9.	2200518		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	Courses for	obtaining Honors/Mino	r Specialization	by desirous stud	ents	Permitte	ed to opt	for <u>maximum t</u>	wo additiona	onal courses for the award of Honors or Minor specialization						
		*(	compulsory registratio	on for one onli	ne course using	SWAYAN	A/NPTEL/ M	OOC, e	aluation thro	ugh attenda	ınce, assigı	nmen	ts an	d pres	entation		
10.	1000006	MAC	Disaster Management	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ
	**		ciples and Techniques		dar Systems		Digital VLSI T				1.					and Application	
	Honors Minors	2. Stoo	chastic Control & Com Control S			2. A	Analog VLSI D	esign	Fund	amentals of	2. Wireless Co				cs: Devices	to Circuits	
	· ·																

Department of Electronics Engineering May 2024

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(Deemed University)

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

#### **NAAC Accredited with A++ Grade**

#### Scheme of Evaluation

### B. Tech. VI Semester (Electronics & Telecommunication Engineering)

													(for batcl	n adn	rittea	l in a	cademic	session 20	
ŀ	Subject	Cate	Subject Name				Maximum	Mark	s Allotted				Total	C	onta	ct	Total		
No.	Code	gory Cod			The	ory Slot			Practical S	Slot	моос	Cs	Marks		urs weel	_	Credits	Teaching	of Exam.
		e			Term lation		ntinuous aluation	End Sem.	Contir Evalu	ation	Assignment	Exam		L	Т	P			
				End Sem. Exam.	\$Proficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab work & Sessional	Skill Based Mini Project									
1.	2200616	DC	Microcontroller Systems and Applications	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	PP
2.	200XXX	DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Blended	PP
3.	900XXX	OC	Open Category (OC-1)**	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended	PP
4.	2200617	MC	Artificial Intelligence & Machine Learning	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	MCQ
5.	2200618	DLC	Minor Project-II#	-	-	-	-	60	40	-	-	-	100	-	-	6	3	Offline	SO
6.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	-	-	50	-	-	2	1	Blended	SO
7.		NSS	Natural Sciences & Skills##	200	40	80	80	120	40	40	-	-	600	1	-	2	2*	-	-
			Total	350	70	140	140	350	120	80	25	75	1350	13	-	14	20	-	-
8.	1000007	MAC	Intellectual Property Rights (IPR)	50	10	20	20	_	-		-	-	100	2	_	_	GRADE	Online	MCQ
					mer Interns	hip-III (O	n Job Training) f												
	Addition	al Cour	se for Honours or minor Special	ization			Permittee	d to opt	for maximum	ı two additio	onal courses for	the award	of Honours	or Mi	inor s	pecial	ization		

<sup>##</sup> Natural Sciences & Skills; Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

#### \*This course run through SWAYAM/NPTEL/ MOOC platform

*DE-	1 (SWAYAM/NPTEL/ MOOC platform)	**Open Category	(OC-1)(For students of other branches)
200665	An Introduction to Information Theory	900116	Embedded Systems
200662	Digital IC Design	900117	Intelligent Control
200663	Fuzzy sets, logic and System & Applications		

<sup>(&</sup>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)

<sup>\$</sup>proficiency in course/subject-includes the weightage towards ability/skill/competence/knowledge level/ expertise attained etc. in that particular course/subject.

SSAC: Assignment + Oral SSAP: Pen Paper SSSO: Submission + Oral

<sup>\*</sup>Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform with credit transfer # The minor project-II may be evaluated by an internal committee for awarding sessional marks.

<sup>\*\*</sup> Course run in traditional mode