

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

Department of Civil Engineering Scheme of Evaluation

B. Tech. I Semester CIVIL ENGINEERING

(for batch admitted in academic session 2022-23)

					M	[aximum]	Marks	Allotted			(4)		onta					
					Theory S	lot			Practical SI	ot			ours p week					
No.	Subject Code	Category Code	Subject Name		d Term duation	Contin Evalua		End	Contin Evalua	ation	Total Marks				Total Credits	Mode of Teaching	Mode of	Duration of Exam.
	Code	Code		End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assign ment	Sem.	Lab Work & Sessional	Skill Based Mini Project	IVIAIRS	L	Т	P	Credits		Exam.	
1.	100011	BSC	Engineering Mathematics – I (BSC - 1)	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	160122	ESC	Computer Programming (ESC - 1)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	100014	ESC	Engineering Graphics (ESC - 2)	50	10	20	20	-	-	-	100	1	2	1	3	Offline	AO	2 Hrs
4.	110121	DC	Building Materials & Construction (DC - 1)	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
5.	110122	DC	Engineering Mechanics (DC - 2)	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
6.	100018	ESC	Engineering Graphics Lab (ESC – 3)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Total		250	50	100	100	180	60	60	800	12	4	6	19	-	-	-
7.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

MCQ: Multiple Choice Question

AO: Assignment + Oral

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

		Mode of Teach	ing		Mode of Exami	nation		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
7		9	3	10	6		3	19
37%		49%	16%	51%	33%		16%	Credits %

^{\$}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 Engineering / Language, Credits of natural Sciences & Skills will be added in VI Semester.



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

Department of Civil Engineering Scheme of Evaluation

B. Tech. II Semester CIVIL ENGINEERING

(for batch admitted in academic session 2022-23)

					N	[aximum]	Marks	Allotted			()	C	onta	ct				
					Theory S	lot			Practical Sl	ot			ours p week					
No.	Subject Code	Category Code	Subject Name		d Term aluation	Contin Evalua		End	Contin Evalua	tion	Total Marks				Total Credits	Mode of Teaching	Mode of	Duration of Exam.
	Couc	Code		End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assign ment	Sem.	Lab Work & Sessional	Skill Based Mini Project	IVIAIRS	L	Т	P	Credits		Exam.	
1.	110221	DC	Surveying (DC - 3)	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
2.	110222	DC	Strength of Materials (DC - 4)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	100021	ESC	Basic Mechanical Engineering (ESC - 4)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ	1.5 Hrs
4.	100022	ESC	Basic Electrical & Electronics Engineering (ESC - 5)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.		ESC	Python Programming (ESC - 6)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6.	110223	DLC	Survey Practice Lab (DLC - 2)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Total		250	50	100	100	180	60	60	800	12	4	8	19	-	-	-
7.		Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Summer Internship Project – I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.

OR: Open Book PP: Pen Paper SO: Submission + Oral

MCQ: Multiple Choice Question	AO: Assi	gnment + (Oral OB: Open Book	PP: Pen Paper	SO: Submission -	+ Oral			
			Mode of Teaching			Mode of E	xamination		
		1	Theory	Lab		Theory		Lab	Total Credits
	Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
			15	4	6	3	6	4	19
			89%	21%	32%	15%	32%	21%	Credits %

^{\$}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 Engineering / Language, Credits of natural Sciences & Skills will be added in VI Semester.



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

Department of Mechanical Engineering Scheme of Evaluation

B. Tech. I Semester (Automobile Engineering)

(for batch admitted in academic session 2022-23)

						Maxin	um Marks A	llotted					Conta					
					Theory	Slot			Practical SI	ot			ours p week					
S. No.	Subject Code	Category Code	Subject Name		d Term duation		ntinuous aluation	End	Contin Evalu	ation	Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End Sem. Exam	SProficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	Т	P				
1.	100011	BSC	Engineering Mathematics-I	50	10	20	20	-	-		100	3	1		4	Offline	PP	2 Hrs
2.	160122	ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	100021	ESC	Basic Mechanical	50	10	20	20				100	2	1		3	Blended	MCQ	1.5 Hrs
4.	100022	ESC	Basic Electrical and Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	100020	ESC	Basic Civil Engineering and Mechanics	50	10	20	20	-			100	2	1		3	Blended	PP	2 Hrs
6.	120026	ESC	Basic Mechanical Engineering Lab		: : : : : : : : : : : : : : : : : : :			60	20	20	100		1	2	1	Offline	SO	-
		Tot	al	250	50	100	100	180	60	60	800	11	05	06	19			
7.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1		2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local

Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / Language Credits of Natural Sciences & Skills will be added in the VI Semester

MCQ: Multiple Choice Question AO: Assignment + Oral OB: Open Book PP: Pe

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

	Mode of 7	Гeaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
 Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
4		14	1	7	4	7	1	19
21%		73.68%	5%	36.8%	21%	36.8%	5%	Credits %



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

Department of Mechanical Engineering Scheme of Evaluation

B. Tech. II Semester (Automobile Engineering)

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					onta					
					The	ory Slot		1	Practical S	lot			urs p week					
S. No.	Subject Code	Category Code	Subject Name		l Term luation		tinuous luation		Contin Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
110.	Couc	Couc		End Sem. Exam	SProficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project	Walks	L	Т	P	Credits		L'Adiii.	UI L'Adili.
1.	190221	DC	Material Science	50	10	20	20			-	100	2	1		3	Blended	PP	2 Hrs
2.	190222	DC	Manufacturing Processes	50	10	20	20			- :::	100	2	11	11 -11	3	Blended	PP	2 Hrs
3.	190223	DC	Engineering Thermodynamics	50	10	20	20				100	3	1		4	Blended	PP	2 Hrs
4.	100014	ESC	Engineering Graphics	50	10	20	20			<u> </u>	100	2	1		3	Offline	AO	2 Hrs
5.	160222	ESC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6	100024	ESC	Manufacturing Practices			-		60	20	20	100			2	1	Offline	SO	-
7	100018	ESC	Engineering Graphics Lab					60	20	20	100		ii i ii	2	1	Offline	SO	-
		Total		250	50	100	100	180	60	60	800	11	05	06	19			
8.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	:	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

		Mode of	f Teaching			Mode of E	xamination		
:		Theory		Lab		Theory		Lab	Total Credits
	Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
	3		14	2	10	7	0	2	19
:	15.78		73.68	10.5	52.6	36.8	0	10.5	Credits %



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

Department of Mechanical Engineering Scheme of Evaluation

B. Tech. I Semester (Mechanical Engineering)

(for batch admitted in academic session 2022-23)

						Maxim	num Marks A	llotted					ontac					
					Theor	y Slot			Practical Sl	ot			ours p week					
S. No.	Subject Code	Category Code	Subject Name		d Term lluation		ntinuous aluation	End	Contin Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End Sem. Exam	SProficiency in subject /course		Quiz/ Assignment	Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	Т	P				
1.	100011	BSC	Engineering Mathematics-I	50	10	20	20		-		100	3	1		4	Offline	PP	2 Hrs
2.	160122	ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	100021	ESC	Basic Mechanical	50	10	20	20		-		100	2	1		3	Blended	MCQ	1.5 Hrs
4.	100022	ESC	Basic Electrical and Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	100020	ESC	Basic Civil Engineering and Mechanics	50	10	20	20			-	100	2	1		3	Blended	PP	2 Hrs
6.	120026	ESC	Basic Mechanical Engineering Lab		-			60	20	20	100		-	2	1	Offline	SO	-
		Tot	al	250	50	100	100	180	60	60	800	11	05	06	19	<u> </u>		
7.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1		2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

	Mode of T	Геасhing			Mode of E	xamination			ŀ
	Theory		Lab		Theory		Lab	Total Credits	
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits	
4		14	1	7	4	7	1	19	E
21%		73.68%	5%	36.8%	21%	36.8%	5%	Credits %	ŀ



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

Department of Mechanical Engineering Scheme of Evaluation

B. Tech. II Semester (Mechanical Engineering)

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					onta					
					The	ory Slot			Practical S	lot			ours p week					
S. No.	Subject Code	Category Code	Subject Name		l Term luation		ntinuous aluation		Contin Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
110-		Couc		End Sem. Exam	SProficie- ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project	Walks	L	Т	P	Cicuits		Exam.	of Exam.
1.	120221	DC	Material Science	50	10	20	20			: :::: : ::::::	100	2	1		3	Blended	PP	2 Hrs
2.	120222	DC	Manufacturing Processes	50	10	20	20		- : : : : : : : : : : : : : : : : : : :	-	100	2	1		3	Blended	PP	2 Hrs
3.	120223	DC	Engineering Thermodynamics	50	10	20	20			-	100	3	1		4	Blended	PP	2 Hrs
4.	100014	ESC	Engineering Graphics	50	10	20	20				100	2	1		3	Offline	AO	2 Hrs
5.	160222	ESC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6	100024	ESC	Manufacturing Practices					60	20	20	100		1	2	1	Offline	SO	-
7	100018	ESC	Engineering Graphics Lab					60	20	20	100	-		2	1	Offline	so	-
		Total		250	50	100	100	180	60	60	800	11	05	06	19			
8.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

	Mode o	f Teaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Ī
3		14	2	10	7	0	2	19
15.78		73.68	10.5	52.6	36.8	0	10.5	Credits %



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

Department of Electrical Engineering Scheme of Evaluation

B.Tech I Semester (Electrical Engineering)

(for batch admitted in academic session 2022-23)

						Maximun	n Marks All	otted					ontac					
					Theory	Slot			Practical Sl	ot			urs p week					
S.	Subject	Category	Subject Name	End Teri	n Evaluation		tinuous luation	Б.	Contin Evalua		Total				Total	Mode of Teaching	Mode of	Duration of Exam.
No.	Code	Code	•	End Sem. Exam	⁸ Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assig nment	End Sem. Exam	Lab Work & Sessional	Skill Based Mini Project	Marks	L	T	P	Credits	8	Exam.	
1.	100011	BSC	Engineering Mathematics –I	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
2.		ESC	Engineering Graphics	50	10	20	20	-	-	-	100	2	-	2	3	Blended	AO	2 Hrs
3.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
4.		ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
5.	130121	DC	Electrical Engineering Materials	50	10	20	20	1	-	-	100	3	1	ı	4	Blended	PP	2 Hrs
		Total		250	50	100	100	120	40	40	700	12	03	08	19	-	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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.



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

Department of Electrical Engineering Scheme of Evaluation

B.Tech. II Semester (Electrical Engineering)

(for batch admitted in academic session 2022-23

]	Maximun	Marks Allo	tted				C	onta	ct				
					Theory S	lot			Practical SI	ot			urs p week					
S. No.		Category Code	Subject Name	End Term	n Evaluation		tinuous luation	End	Contin Evalua		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
110.	Code	Code		End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assig nment	Sem.	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Creuits		Exam.	
1.	100020	ESC	Basic Civil Engineering & Mechanics	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
2.	100021	ESC	Basic Mechanical Engineering	50	10	20	20	-	-	-	100	3	-	-	3	Blended	MCQ	1.5 Hrs
3.		ESC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
4.	130221	DC	Network Analysis	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
5.	130222	DC	Electrical & Electronics Measurement	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
6.	130223	DC	Manufacturing Practices	-	-	-	-	60	40	-	100	_	-	2	1	Offline	SO	
		Tota	Ì	250	50	100	100	180	80	40	800	13	3	6	19	-	-	-
7.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
			Summer	r Internship I	Project – I (Inst	itute Lev	el) (Qualifier	:): Minir	num two-we	ek duration	ı: Evaluat	ion in	III S	emes	ter.			

[§]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.

Estd. 1957

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Department of Electrical Engineering Scheme of Evaluation

B.Tech I Semester (Internet of Things)

(for batch admitted in academic session 2022-23)

						Maximu	m Marks All	otted					onta					
					Theory	Slot			Practical Slo	ot			urs p week					
S.		Category	Subject Name	End Terr	m Evaluation		tinuous luation	Б. 1	Contin Evalua		Total				Total	Mode of Teaching		Duration of Exam.
No.	Code	Code		End Sem. Exam	SProficiency in subject /course	Mid Sem. Exam.	Quiz/Assig nment	End Sem. Exam	Lab Work & Sessional	Skill Based Mini Project	Marks	L	T	P	Credits	J	Exam.	
1.		ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
2.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
3.	250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
4.	220121	DC	Basics of Internet of Things	50	10	20	20	-	-	-	100	3	1	-	4	Blended	MCQ	1.5 Hrs
5.	220122	DC	Digital Electronics and Logic Design	50	10	20	20	-	-	-	100	2	1	1	3	Blended	PP	2 Hrs
		Total		250	50	100	100	120	40	40	700	12	5	4	19	-	-	-
7.	3000004	Natural Sciences & Skills	à Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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



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

Department of Electrical Engineering Scheme of Evaluation

B. Tech. II Semester (Electrical Engineering)

(for batch admitted in academic session 2022-23

						Maximu	m Marks All	otted				C	onta	et				
					Theory	Slot			Practical Sl	ot			urs p week					D 4:
		Category	Subject Name	End Teri	n Evaluation		tinuous		Contin Evalua		Total				Total	Mode of Teaching	Mode of	Duration of
No.	Code	Code	-	End	6		luation	End Sem.	Lab Work	Skill	Marks	L	Т	P	Credits	8	Exam	Exam
				Sem. Exam	^S Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assign ment	Exam	& Sessional	Based Mini Project								
1.	220221	DC	Operating System	50	10	20	20	-	_	-	100	2	1	-	3	Blended	PP	2 Hrs
2.	220222	DC	Sensor Technology	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	220223	DC	Data Structures	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
4.	220224	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
5.		BSC	Probability & Random Process	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
	•	Tota	al	250	50	100	100	180	60	60	800	11	5	6	19	-	-	-
6.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
			Summer Inte	ernship Pro	ject – I (Institu	ıte Level)	(Qualifier):	Minimu	m two-week	duration:	Evaluatior	ı in II	I Sen	neste	r .	<u>-</u>		

SProficiency 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.

(A Govt. Aided UGC Autonomous Institute NAAC AccreditedInstitute Affiliated to RGPV, Bhopal MP) **Department of Electronics Engineering**

Scheme of Examination For batch admitted in Academic Session 2022-2023

B.Tech. I Semester (Electronics Engineering)

						Maxim	um Mark	s Allotte	d			Cont	act Ho	ours				Duration
					Theory	Slot			Practical Sl	lot		pe	er weel	k				of Exam
S.	Subject	Catego		End	Sem.					CI 1II	Total				Total	Mode of	Mode	
No.	Code	ry Code	Subject Name	End Term Evalua tion	*Profici ency in subject /course	Mid Sem. Exam.	Quiz/ Assignm ent	End Sem.	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Credits	Teaching	of Exam.	
1.	100022	BSC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
2.	140121	DC	Electronic Engineering Material	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
3.	140122	DC	Electronic Devices	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	140123	DC	Network Theory	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.		ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6.	140124	DLC	Devices & Network Lab	-	-	-	-	60	20	20	100	-	-	4	2	Offline	AO	2 Hrs
		Te	otal	250	50	100	100	180	60	60	800	11	4	6	19			
6	3000002	Natural Sciences and Skills	Engineering Chemistry	50	10	20	20	-	-	-	-	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

MCQ: Multiple Choice Question

AO: Assignment + Oral

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

]	Mode of Teachi	ng			Mode of E	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Bler	nded	Offline	PP	A+O	MCO	so	
Offine	Offiffie	Offline	Online	Offine	rr	A+O	MCQ	80	
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%	



(A Govt. Aided UGC Autonomous Institute NAAC AccreditedInstitute Affiliated to RGPV, Bhopal MP)

Department of Electronics Engineering

Scheme of Examination For batch admitted in Academic Session 2022-2023

B.Tech. II Semester (Electronics Engineering)

						Maximu	ım Marks A	Allotted					Contac					
					Theory	y Slot]	Practical S	Slot			ours p week					
	Subject	Category			l Sem.				Lab		Total				Total	Mode of	Mode of	Duration
S. No.	Code	Code	Subject Name	End Term Evalu ation	\$Profici ency in subject /course	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Work & Session al	Skill Based Mini Project	Marks	L	Т	P	Credits	Teaching	Exam.	of Exam
1.	100011	BSC	Engineering Mathematics –I	50	10	20	20	-	ı	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	140221	DC	Digital Circuits &Systems	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	140222	DC	Electronics Circuits	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
4.	140223	DC	Signals and Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	140224	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			
6	3000001	Natural Sciences and Skills	Physics	50	10	20	20	•	-	-	-	1	ï	2	GRADE	Blended	MCQ	1.5 Hrs
		Summe	er Internship Proje	ct – I (Iı	nstitute Le	evel) (Q	ualifier):	Minim	num two-	week dur	ation: Ev	alua	tion i	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

	I	Mode of Teachi	ing			Mode of Ex	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Office	Online	Blen	ded	Offi	pp	4.0	MCO	60	
Offline	Online	Offline	Online	Offline	PP	A+O	MCQ	SO	
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%	



(A Govt. Aided UGC Autonomous Institute NAAC AccreditedInstitute Affiliated to RGPV, Bhopal MP)

Department of Electronics Engineering

Scheme of Examination For batch admitted in Academic Session 2022-2023

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

						Maxim	um Mark	s Allotte	d			Cont	act H	ours				Duration
					Theory	Slot			Practical SI	ot		ре	er wee	k				of Exam
S.	Subject	Categ			Sem.					G1 111	Total				Total	Mode of	Mode	
No.	Code	ory Code	Subject Name	End Term Evalua tion	*Profici ency in subject /course	Mid Sem. Exam.	Quiz/ Assignm ent	End Sem.	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Credits	Teaching	of Exam.	
1.	100022	BSC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
2.	200121	DC	Electronic Engineering Material	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
3.	200122	DC	Electronic Devices	50	10	20	20	-	-	1	100	2	1	-	3	Blended	PP	2 Hrs
4.	200123	DC	Network Theory	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.		ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6.	200124	DLC	Devices& Network Lab	-	-	-	-	60	20	20	100	-	-	4	2	Offline	AO	2 Hrs
		To	otal	250	50	100	100	180	60	60	800	11	4	6	19			
6	3000002	Sciences and Skills	Engineering Chemistry	50	10	20	20	-	-	-	-	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC):Physical activity, Creative Arts,Universal Human Values,Literary,ProficiencyModules,Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Science/ Language
Credits of Natural Sciences & Skills will be added in the VI Semester.

		Mode of Teachi	ng			Mode of Ex	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Bler	nded	Offline	PP	A+O	MCO	SO	
Offilite	Online	Offline	Online	Offilile	PF	A+O	MCQ	80	
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%	



(A Govt. Aided UGC Autonomous Institute NAAC AccreditedInstitute Affiliated to RGPV, Bhopal MP) **Department of Electronics Engineering**

Scheme of Examination For batch admitted in Academic Session 2022-2023

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

						Maximu	ım Marks	Allotted					Contac					
					Theory	y Slot			Practical S	Slot			ours p week	er				
S. No.	Subject Code	Category Code	Subject Name	End End Term Evalu ation	Proficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work & Session al	Skill Based Mini Project	Total Marks	L	Т	P	Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam
1.	100011	BSC	Engineering Mathematics –I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	200221	DC	Digital Circuits &Systems	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	200222	DC	Electronics Circuits	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
4.	200223	DC	Signals and Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	200224	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			
6	3000001	Natural Sciences and Skills	Physics	50	10	20	20	1	-	-	-	1	ı	2	GRADE	Blended	MCQ	1.5 Hrs
	•	Summe	r Internship Proje	ct – I (Iı	nstitute La	evel) (O	ualifier):	Minin	num two-	week dur	ation: Ex	zalua	tion i	in III	Semester		·	

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

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

	I	Mode of Teachi	ing			Mode of E	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Blen	nded	Offline	PP	A+O	MCO	60	
Offilile	Omne	Offline	Online	Offilile	PP	A+O	MCQ	SO	
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%	



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

Department of Information Technology Scheme of Evaluation

B. Tech. I Semester (Information Technology)

(for batch admitted in academic session 2022-23)

						Maximi	ım Marks Al	lotted					ontac					
					Theory	Slot			Practical SI	ot			ours p week	er				
S. No.	Subject Code	Category Code	Subject Name		d Term luation		tinuous duation	End	Contin Evalu	nuous ation	Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End Sem. Exam	SProficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	T	P				
1.	160121	DC	Introduction to Information Technology	50	10	20	20	-	-	-	100	4	ı	ı	4	Blended	MCQ	1.5 Hrs
2.	160122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	160123	DC	Digital Logic Design	50	10	20	20	=	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	160124	DC	Discrete Structures	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hrs
5.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
6.	160125	DLC	IT workshop	1	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Tota	al	250	50	100	100	180	60	60	800	12	04	06	19	-	-	-
7.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local

Areas, Familiarization to Dept./Branch & Innovations.

^sProficiency 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 Engineering / Language

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

	Mode of T	Teaching			Mode of Ex	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
03	-	13	03	06	03	07	03	19
15.79%	-	68.42%	15.79%	31.58%	15.79%	36.84%	15.79%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. II Semester (Information Technology)

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					onta					
					The	ory Slot]	Practical S	lot			urs p week					
S. No.	Subject Code	Category Code	Subject Name		l Term luation		tinuous lluation	End		nuous ation	Total Marks				Total Credits	Mode of Teaching		Duration of Exam.
				End Sem. Exam	^S Proficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	Т	P				
1.	160221	DC	Data Structures	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
2.	160222	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	160223	DC	Database Management System	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
4.	160224	DC	Computer System Organization	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	100011	BSC	Engineering Mathematics-I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
		Total		250	50	100	100	180	60	60	800	12	04	06	19	-	-	-
7.	3000002	& Skills	Engineering Chemistry	50	10	20	20	30	10	10	150	1	-		GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

	Mode of	Teaching			Mode of Ex	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	12	03	13	03	-	03	19
21.05%	-	63.16%	15.79%	68.42%	15.79%		15.79%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. I Semester (Internet of Things (IoT))

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					ontac	-				
					Theory	Slot			Practical SI	ot			ours p week					
S. No.	Subject Code	Category Code	Subject Name		l Term luation		ntinuous nluation		Contii Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Eva End Sem. Exam	SProficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	Т	P	3.000			
1.	230121	DC	Introduction to Internet of Things (IoT)	50	10	20	20	-	-	-	100	4	-	-	4	Blended	MCQ	1.5 Hrs
2.	230122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	230123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
		Tot	al	250	50	100	100	120	40	40	700	13	04	04	19	-	-	-
7.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / Language

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

	Mode of	f Teaching			Mode of Ex	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	13	02	07	03	07	02	19
21.05%	-	68.42%	10.53%	36.84%	15.79%	36.84%	10.53%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. II Semester (Internet of Things (IoT))

(for batch admitted in academic session 2022-23

						Maxim	um Marks Al	lotted				_	onta					
					The	ory Slot		I	Practical S	lot			urs p week					
S.		Category	Subject Name		l Term luation		tinuous lluation		Conti Evalu		Total				Total	Mode of Teaching		Duration
No.	Code	Code	·	End Sem. Exam	SProficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Credits		Exam.	of Exam.
1.	230221	DC	Discrete Structures	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hrs
2.	230222	DC	Data Structures	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
3.	230223	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
4.	230224	DC	Database Management System	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5.	220202	DC	Sensor Technology	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
		Total		250	50	100	100	240	80	80	900	12	03	08	19	-	-	-
7.	3000002	Natural Sciences & Skills	Engineering Chemistry		10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

	Mode of T	Teaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
03	-	12	04	12	03	-	04	19
15.79%	-	63.16%	21.05%	63.16%	15.79%	-	21.05%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. I Semester (Information Technology (Artificial Intelligence and Robotics))

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted				_	Contac					
					Theory	Slot			Practical SI	ot			ours p week					
S. No.	Subject Code	Category Code	Subject Name		l Term luation		ntinuous aluation		Contin Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End	\$Proficiency	Mid	1	End Sem.	Lab	Skill Based		L	Т	P				
				Sem. Exam	in subject /course	Sem. Exam.	Quiz/ Assignment	Exam.	Work & Sessional	Mini Project								
1.	240121	DC	Introduction to Artificial Intelligence	50	10	20	20	-	-	-	100	4	-	-	4	Blended	MCQ	1.5 Hrs
2.	240122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	240123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
		Tot	al	250	50	100	100	120	40	40	700	13	04	04	19	-	-	-
7.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / Language

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

	Mode of	Teaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	13	02	07	03	07	02	19
21.05%	-	68.42%	10.53%	36.84%	15.79%	36.84%	10.53%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. II Semester (Information Technology (Artificial Intelligence and Robotics))

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					onta					
					The	ory Slot		I	Practical S	lot			urs p week					
S.	Subject	Category	Subject Name		l Term luation		tinuous lluation		Conti Evalu		Total				Total	Mode of Teaching		Duration
No.	Code	Code		End Sem. Exam	SProficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Credits		Exam.	of Exam.
1.	240221	DC	Discrete Structures	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hrs
2.	240222	DC	Data Structures	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
3.	240223	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
4.	240224	DC	Database Management System	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5.	220202	DC	Sensor Technology	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
		Total		250	50	100	100	240	80	80	900	12	03	08	19	-	-	-
7.	3000002	Natural Sciences & Skills	Engineering Chemistry		10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas,

Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / Language

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

	Mode of	Teaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
03	-	12	04	12	03	-	4	19
15.79%	-	63.16%	21.05%	63.16%	15.79%	-	21.05%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. I Semester (Artificial Intelligence (AI) and Data Science)

(for batch admitted in academic session 2022-23)

						Maxim	ım Marks Al	lotted				_	ontac					
					Theory	Slot			Practical SI	ot			urs p week					
S. No.	Subject Code	Category Code	Subject Name		l Term luation		tinuous duation		Conti Evalu	nuous ation	Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End	\$Proficiency	Mid		End Sem.	Lab	Skill Based		L	T	P				
				Sem. Exam	in subject /course	Sem. Exam.	Quiz/ Assignment	Exam.	Work & Sessional	Mini Project								
1.	270121	DC	Introduction to Artificial Intelligence & Data Science	50	10	20	20	-	-	-	100	4	ı	1	4	Blended	MCQ	1.5 Hrs
2.	270122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	270123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
		Tot	al	250	50	100	100	120	40	40	700	13	04	04	19	-	-	-
7.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

	Mode of	f Teaching			Mode of Ex	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	13	02	07	03	7	02	19
21.05%	-	68.42%	10.53%	36.84%	15.79%	36.84%	10.53%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. II Semester (Artificial Intelligence (AI) and Data Science)

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					ontac					
					The	ory Slot		l	Practical S	lot			urs p week					
S. No.	Subject Code	Category Code	Subject Name		d Term lluation		tinuous lluation	End	Contin Evalu		Total Marks				Total Credits	Mode of Teaching		Duration of Exam.
				End Sem. Exam	SProficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	T	P				
1.	270221	DC	Data Structures	50	10	20	20	60	20	20	200	3	-	2	4	Offline	PP	2 Hrs
2.	270222	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	270223	DC	Database Management System	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
4.	270224	DC	Operating System	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	250106	BSC	Probability and Random Process	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
		Total		250	50	100	100	180	60	60	800	12	04	06	19	-	-	-
7.	3000002	Natural Sciences & Skills	Engineering Chemistry	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / Language Credits of Natural Sciences & Skills will be added in the VI Semester

	Mode of	f Teaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	12	03	13 03		-	03	19
21.05%	-	63.16%	15.79%	68.42%	15.79%	-	15.79%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. I Semester (Artificial Intelligence (AI) and Machine Learning)

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted				_	ontac					
					Theory	Slot			Practical SI	ot			urs p week	er				
S. No.	Subject Code	Category Code	Subject Name	-	l Term luation		ntinuous nluation		Conti Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Eva End Sem. Exam	SProficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	T	P	3.000			
1.	280121	DC	Introduction to Artificial Intelligence & Machine Learning	50	10	20	20	-	-	-	100	4	-	-	4	Blended	MCQ	1.5 Hrs
2.	280122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	280123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
		Tot	al	250	50	100	100	120	40	40	700	13	04	04	19	-	-	-
7.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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 Engineering / 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

	I	Mode of Teaching			Mode of Ex	xamination		
	Т	heory	Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	13	02	07	03	07	02	19
21.05%	-	68.42%	10.53%	36.84%	15.79%	36.84%	10.53%	Credits %



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

Department of Information Technology Scheme of Evaluation

B. Tech. II Semester (Artificial Intelligence (AI) and Machine Learning)

(for batch admitted in academic session 2022-23)

						Maxim	um Marks Al	lotted					ontac					
					The	ory Slot		l	Practical S	lot			urs p week					
S. No.	Subject Code	Category Code	Subject Name		d Term lluation		tinuous lluation	End	Contin Evalu		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End Sem. Exam	SProficie ncy in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project		L	T	P				
1.	280221	DC	Data Structures	50	10	20	20	60	20	20	200	3	1	2	4	Offline	PP	2 Hrs
2.	280222	DC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	280223	DC	Database Management System	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
4.	280224	DC	Operating System	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	250106	BSC	Probability and Random Process	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
		Total		250	50	100	100	180	60	60	800	12	04	06	19	-	-	-
7.	3000002	Natural Sciences & Skills	Engineering Chemistry	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Engineering / 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

	Mode	of Teaching			Mode of E	xamination		
	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
04	-	12	03	13	03	-	03	19
21.05%	-	63.16%	15.79%	68.42%	15.79%	-	15.79%	Credits %



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

B.Tech. I Semester (Chemical Engineering) For batches admitted in academic session 2022-23

						Max	imum Marks A	Allotted				Con	tact H	ours		Mode of	Mode	Durat
					Theo	ry Slot			Practical Slot			p	er wee	ek		Teachin	of	ion of
S. No.	Subject Code	Category Code	Subject Name	End	l Sem. ⁸ Proficie	Mid	Ouiz/	End	Lab Work	Skill Based	Total Marks				Total Credits	g	Exam	Exam
				Term Evalua tion	ncy in subject /course	Sem. Exam.	Assignment	Sem	& Sessional	Mini Project		L	Т	P				
1.	170121	DC	Fuel Technology	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2Hrs
2.	100020	ESC	Basic Civil Engineering & Mechanics	50	10	20	20	-	-	-	100	2	1	ı	3	Blended	PP	2Hrs
3.	100021	ESC	Basic Mechanical Engineering	50	10	20	20	-	-	-	100	2	1	ı	3	Blended	MCQ	1.5 Hrs
4.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	170122	DC	Computer Programmin g	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2Hrs
6.	100024	ESC	Manufacturing Practices	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Tota	al	250	50	100	100	240	80	80	900	10	5	8	19	-	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction program of first three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visit / Virtual Visit to local Areas, Familiarization to Dept./Branch & Innovations

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

SProficiency 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)

		Mode of Teaching			Mode of E	xamination		
	Т	heory	Lab		Theory		Lab	Total Credits
Offline	Online	Blended	Offline	PP	AO	MCQ	so	Total Credits
-	1	15	4	06	03	06	04	19
-	-	78.94%	21.05%	31.57%	15.78%	31.57%	21.05%	Credits %



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

B.Tech. (Chemical Engineering) II Semester For batches admitted in academic session 2022-23

						Maxin	num Marks A	llotted				Con	tact H	ours				
					Theory	Slot			Practical Slo	t		p	er wee	k				Duratio
		Category		Enc	l Sem.					~	Total				Total	Mode of	Mode	n of
S. No.	Subject Code	Code	Subject Name	End Term Evaluati on	SProficienc y in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Credits	Teaching	of Exam	Exam
1.	100011	BSC	Engineering Mathematics – I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	170221	DC	Chemical Process Calculations	50	10	20	20	-	-	-	200	2	1	-	3	Blended	PP	2 Hrs
3.	100014	ESC	Engineering Graphics	50	10	20	20	ı	-	-	100	3	ı	-	3	Offline	AO	2 Hrs
4.	170222	DC	Python Programming	50	10	20	20	60	20	20	100	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	170223	DC	Fluid Particle Mechanics	50	10	20	20	60	20	20	100	2	1	2	4	Blended	PP	2 Hrs
6.	100018	ESC	Eg. Graphics Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Total		250	50	100	100	180	60	60	800	12	4	6	19	-	-	-
7.		Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1	-	2	GRAD E	Blended	MCQ	1.5 Hrs

Summer Internship Project - I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.

SProficiency 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)

	Mode of Teac	ching			Mode of Ex	xamination		
	Theory		Lab		Theory		Lab	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	Total Credits
07	-	09	03	10	03	03	03	19
36.84%	-	47.36%	15.78%	52.63	15.78%	15.78%	15.78%	Credits %



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

Department of Mathematics & Computing Scheme of Evaluation

B. Tech. I Semester (Mathematics & Computing)

(for batch admitted in academic session 2022-23)

					1	Maximum	Marks Allo	tted					onta					
					Theory S	lot			Practical Sl	ot			urs p week					
S. No.	Subject Code	Category Code	Subject Name	End Term	Evaluation		tinuous luation	End	Contin Evalua	ation	Total Marks				Total Credits	Mode of Teaching		Duration of Exam.
110.	Couc	Couc	Name	End Sem. Exam	^{\$} Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assig nment	Sem.	Lab Work & Sessional	Skill Based Mini Project	Walks	L	Т	P	Cicuits		Exam.	
1.	250121	DC	Introduction to Computing	50	10	20	20	-	-	-	100	3	-	-	3	Blended	MCQ	1.5 Hrs
2.	250122	DC	Introduction to Computer Programming	50	10	20	20	60	20	20	200	3	-	2	4	Offline	AO	2 Hrs
3.	250123	DC	Statistical Methods	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
4.	250124	DC	Element of Calculus	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	250125	DC	Computer Architecture & Organization	50	10	20	20	-	-	-	100	3	-	-	3	Blended	MCQ	1.5 Hrs
6.	250126	DLC	Computing Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Total		250	50	100	100	120	40	40	700	15	02	04	19	-	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

SProficiency 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

MCO: 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	Blei	ıded	Offline	PP	40	MCO	so	Total Credits
	Offiline	Online	Offline	Online	Offilitie	rr	AO	MCQ	80	
Ī	11	-	4	2	2	2	1	3	1	19
	57.89	-	21.05	10.52	10.52	28.57	14.28	42.85	14.28	



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

Department of Computer Science and Engineering Scheme of Evaluation

B. Tech. I Semester (Computer Science and Engineering)

(for batch admitted in academic session 2022-23)

]	Maximum	Marks Allo	tted					onta					
					Theory S	lot			Practical Sl	ot			urs p week					
S. No.	Subject Code	Categoi y Code	Subject Name	End Tern	n Evaluation		tinuous luation	End	Contin Evalua		Total Marks				Total Credits	Mode of Teaching	Madaaf	Duration of Exam.
				End Sem. Exam	*Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assig nment	Sem. Exam	Lab Work & Sessional	Based Mini Project		L	T	P				
1.	150121	DC	Digital Electronics	50	10	20	20	-	-	-	100	3	ı	-	3	Blended	PP	2 Hrs
2.	150122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	150123	DC	Emerging Technologies in Computer Science	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	100011	BSC	Engineering Mathematics-I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
6.	150124	DLC	CSE workshop	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
		Total		250	50	100	100	180	60	60	800	12	04	06	19	-	-	-
7.	3000002	Natura Science & Skill		50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

		Mode of Teach	ing			Mode of Ex	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Blei	nded	Offline	PP	AO	MCQ	so	Total Credits
Offine	Omne	Offline	Online	Offinic	11	AO	MCQ	30	
4	-	8	4	3	10	4	4	1	19
21		42	21	16	53	21	21	5	



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

Department of Computer Science and Engineering Scheme of Evaluation

B. Tech. II Semester (Computer Science and Engineering)

(for batch admitted in academic session 2022-23

						Maximun	n Marks All	otted					ontac					ĺ
					Theory S	Slot			Practical Slo	ot			urs p week					
S.	Subject	Categoi	Subject Name	End Terr	n Evaluation		inuous uation	Б. 1	Contin Evalua		Total				Total	Mode of Teaching	Mode of	Duration of Exam.
No.	Code	y Code	·	End Sem. Exam	\$Proficiency in subject /course	Mid	Quiz/Assig nment	End Sem. Exam	Lab Work & Sessional	Skill Based Mini Project	Marks	L	Т	P	Credits	J	Exam.	
1.	150221	DC	Data Structures	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
2.	150222	DC	Python Programming	50	10	20	20	60	20	20	200	3	-	2	4	Blended	AO	2 Hrs
3.	150223	DC	Computer System Organization	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	150224	DC	Computer Graphics	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
5.	100025	BSC	Engineering Mathematics –II	50	10	20	20	-	-	-	100	3	-	-	3	Offline	PP	2 Hrs
6.	150225	DLC	Hardware and Troubleshooting Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
_		Total		250	50	100	100	240	80	80	900	13	02	08	19		-	-
7.	3000001	Natural Sciences & Skills	s Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Science / Language

		Mode of Teach	ing			Mode of E	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Blei	nded	Offline	PP	AO	MCQ	so	Total Credits
Offine	Offiffie	Offline	Online	Offilite	rr	AU	MCQ	30	
3	-	8	4	4	14	4	-	1	19
16		42	21	21	74	21		5	



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

Department of Computer Science and Engineering Scheme of Evaluation

B. Tech. I Semester (Computer Science and Design)

(for batch admitted in academic session 2022-23

]	Maximum	Marks Allo	tted					onta					
					Theory S	lot			Practical Slo	ot			urs p week					
S. No.	Subject Code	Catego y Code	Subject Name	End Term	Evaluation		inuous uation	End	Contin Evalua		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
140.	Code	y Code	Name	End Sem. Exam	^{\$} Proficiency in subject /course	Mid	Quiz/Assig nment	Sem.	Lab Work & Sessional	Skill Based Mini Project	Wiaiks	L	Т	P	Credits		Exam.	
1.	290121	DC	Introduction to Computer Science and Design	50	10	20	20	-	ı	-	100	3	ı	-	3	Blended	PP	2 Hrs
2.	290122	DC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
4.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	290123	DC	Digital Electronics	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
		Total		250	50	100	100	180	60	60	800	13	03	06	19	-	-	-
7.	3000002	Natura Science & Skills	s Chemistry	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

MCQ: Multiple Choice Question

AO: Assignment + Oral

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

]	Mode of Teachi	ing						
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Bler	nded	Offline	PP	AO	MCO	SO	Total Credits
Offilile	Online	Offline	Online	Offine	rr	AU	MCQ	80	
4	-	8	4	3	11	4	4	-	19
21		42	21	16	58	21	21		



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

Department of Computer Science and Engineering Scheme of Evaluation

B. Tech. II Semester (Computer Science and Design)

(for batch admitted in academic session 2022-23

]	Maximum	Marks Allo	otted				C	onta	ct				
					Theory S	Slot			Practical Sl	ot			urs p week					
S. No.	Subject Code	Categor y Code	Subject Name	End Term	n Evaluation		tinuous luation	End	Contin Evalua		Total Marks				Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				End Sem. Exam	*Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assig nment	Sem. Exam	Lab Work & Sessional	Based Mini Project		L	Т	P				
1.	290221	DC	Data Structures	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
2.	290222	DC	Python Programming	50	10	20	20	60	20	20	200	3	-	2	4	Blended	AO	2 Hrs
3.	290223	DC	Computer System Organization	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	290224	DC	Computer Graphics and Animation	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5.	250106	BSC	Probability and Random Process	50	10	20	20	-	-	-	100	3	ı	-	3	Offline	PP	2 Hrs
6.	290225	DLC	Hardware and Troubleshootin g Lab	-	-	-	-	60	20	20	100	ı	ı	2	1	Offline	SO	-
		Total		250	50	100	100	240	80	80	900	13	02	08	19	•	-	-
7.	3000001	Natura Science & Skills	s Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, 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: Engineering Physics / Engineering Chemistry / Environmental Science / LanguageMCQ: Multiple Choice question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral

		Mode of Teachin	ng			Mode of E	xamination		
	1	Theory		Lab		Theory		Lab	Total Credits
Offline	Online	Blei	nded	Offline	PP	AO	MCO	so	Total Credits
Offinie	Onnie	Offline	Online	Offilite	rr	AU	MCQ	30	
3	-	8	4	4	14	4	-	1	19
16		42	21	21	74	21		5	