MST: Minimum two mid semester tests to be conducted during Semester, MAC: Mandatory courses classes will be conducted in off hours (Weekends) Total **MAC101** HUB102 Subject **MAB101** CSA102 **CHB101** ILC100 CSA101 Subject Category HSMC MAC* BSC ESC ESC BSC FC Professional Ethics Extracurricular Activities Introduction to Computer Science Engineering Universal Human Values and Linear Algebra and Calculus Communication and Report Writing Digital Electronics Applied Chemistry Subject Name (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.) Bachelor of Technology (B. Tech.) - Information Technology 300 ES 60 60 60 60 60 for Batch Admitted in session - 2023-24 100 20 20 20 SW 20 20 Scheme of Examination (Semester-I) Theory Assign ment 50 10 10 10 10 10 It is a one credit per year activity endorse in eight semester marksheet **Maximum Marks Allotted** Quiz 0 10 10 10 10 60 1 30 † 30 30 Practical 8 20 10 1 ļ 10 10 Quiz 20 ŧ 10 1 10 10 Marks Total 750 100 150 100 100 150 150 15 0 w 2 w ω w _ Contact Hrs 0 _ 0 0 -6 0 N 0 2 2 v Grade Credits Total 19 4 4 ω 4 4

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BSC- Basic Science Course, ESC- Engineering Science Course, HSMC- Humanities Science and Management Course, MAC- Mandatory, Audit Course, AC- Audit Course, HEC- Holistic Education Course, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC- Open Course, DLC-Department Laboratory, PROJ- Project Work -End Semester, MS-Mid Semester, LW- Laboratory Work/Assignment. (L: Lecture, Tutorial,

Abbreviations:

MST: Minimum two mid semester tests to be conducted during Semester, MAC: Mandatory courses classes will be conducted in off hours (Weekends) MAC102 CSA104 ILC100 CSL110 MAB102 Subject Code ITC101 CSA103 Category MAC* Subject BSC ESC BSC EC ESC ESC ITC Extracurricular Activities Python Programming Disaster Management Computer Workshop (Linux Lab) Principles of Software System Problem Solving and Data Structure and Differential Equations Statistics: Probability Distribution Applied Physics Subject Name (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.) Bachelor of Technology (B. Tech.) - Information Technology 300 60 60 1 60 60 ES 100 for Batch Admitted in session - 2023-24 20 20 20 20 20 Scheme of Examination (Semester-II) Theory Assign ment 50 10 10 10 10 10 It is a one credit per year activity endorse in eight semester marksheet Maximum Marks Allotted Quiz 50 10 10 10 10 10 150 30 30 30 ES 30 30 Practical 50 K 10 10 10 10 10 Quiz 50 10 10 10 10 10 Marks 750 Total 50 50 100 100 150 150 150 16 0 ω w ω w ω Contact Hrs 0 0 0 0 0 0 œ N N 0 0 N N 2 Grade Credits Total 2 N 4 ω 4 4 4

Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Department Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, T:Tutorial, P:Practical), BFC-Basic Science Course, ESC-Engineering Science Course, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course Abbreviations: ES Semester, MS-Mid Semester, LW- Laboratory Work/Assignment. (L: Lecture,

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)

for Batch Admitted in session - 2023-24

Scheme of Examination (Semester-III)

Bachelor of Technology (B. Tech.) - Information Technology (Dept. of IT)

Grade			X			7:						Holistic Education Course	HEC*	HUM -309
Grade												Environment & Society	MAC*	MAC- 308
et.	ks she	er mai	semeste	sed in eight	e endors	ty to be	activi	per year	It is a one credit per year activity to be endorsed in eight semester marks sheet.	It i		Extracurricular Activities	ILC	
22	12	1	15	750	40	40	170	50	50	10	300	al	Total	
-	2	1	1	50	1	1	50	1	1	1	1	Internship-I (60 Hrs) Institute Level (Evaluation)	ILC	IT- 307
2	4	0	0	50	10	10	30	1	1	1	1	Internet Programming	DLC	IT-306
w	0	0	ω	100	1	1	1	10	10	20	60	Computer System Organisation	DC	IT-305
4	2	0	w	150	10	10	30	10	10	20	60	Analysis and Design of Algorithms	DC	IT-304
4	2	0	w	150	10	10	30	10	10	20	60	Object Oriented Programming	DC	IT- 303
4	2	0	ω	150	10	10	30	10	10	20	60	Communication system	DC	IT- 302
4	0	0	w	100	1	1	1	10	10	20	60	Discrete mathematics	BSC	MAB 301
Cicui	P	T	L	Marks	Quiz	LW	ES	Quiz	Assignment	MS	ES	Ond over 1 miles	Category	Code
Lotal	×	per week	pe	Total	a	Practical	P		Theory			Subject Name	Subject	Subject
=	Irs.	Contact Hrs.	Cont			lotted	rks Al	um Ma	Maximum Marks Allotted					

MS: Minimum two mid semester tests are to be conducted during Semester, (L-Lecture, 1-1utorial, P-Practical)

MST: Minimum two mid semester tests to be conducted during Semester* MAC and HEC courses classes will be conducted in off hours (Weekends)

Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Department Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, T:Tutorial, P:Practical), BFC-Basic Science Course, ESC-Engineering Science

Course, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course is Obj Assort John

MS: Minimum two mid semester tests are to be conducted during Semester, (L-Lecture, T-Tutorial, P-Practical) MST: Minimum two mid semester tests to be conducted during Semester* MAC and HEC courses classes will be conducted in off hours (Weekends) IT-406 IT-405 IT-401 IT-404 IT-403 IT-402 Subject Code Subject Categor ILC DL DC DC DC DC DC Extracurricular Activities Programming Advance Java Information Theory and Software Engineering Automata and Compiler Database Management Computer Network Subject Name Total (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) Based on participation in extra curriculum activities, one credit per year to be endorsed in the eight semester mark 300 60 60 60 60 ES 60 Bachelor of Technology (B. Tech.) - Information Technology (Dept. of IT) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.) 100 MS 20 20 20 20 20 Theory Assignme 50 10 10 10 10 10 Maximum Marks Allotted for Batch Admitted in session - 2023-24 Scheme of Examination (Semester-IV) Quiz 50 1 10 10 10 10 10 180 30 ŀ i 30 30 ES 30 Practical 60 LW 10 1 ŀ 10 10 10 Quiz 60 10 1 I 10 10 10 Mark 750 Total 100 150 50 100 150 150 15 0 w w w S S Contact Hrs. per week 2 0 0 _ 0 0 10 4 0 0 P 2 2 2 **Total Credits** 22 2 4 4 4 4 4

Course, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Deput Innuit Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, T:Tutorial, P:Practical), BFC-Basic Science Course, ESC-Engineering Volume

Internship-II (90 Hrs) External /Institute Level

Total IT-507 IT-506 IT-505 IT-504 IT-503 IT-501 IT-502 Subject ILC 0E DLC DE DC DC DC Category Subject Internship-II IT Workshop (Matlab/Scilab) (60 Hrs) Institute Level (Evaluation) Artificial Intelligence Wireless & Mobile Computing Mobile Application Development Subject Name DE-I (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) Bachelor of Technology (B. Tech.) -Information Technology (Dept. of IT) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.) 300 1 I 60 60 60 60 60 ES Maximum Marks Allotted for Batch Admitted in session - 2023-24 100 ł 20 20 20 MS 20 20 Scheme of Examination (Semester-V) 50 ŀ 1 10 10 10 10 10 Assignment 1 50 i 10 Quiz 10 10 10 10 170 50 30 1 30 30 30 ES Practical 40 1 10 1 LW 10 1 10 10 40 10 10 Quiz 10 10 750 50 50 100 100 150 150 **Total Marks** 150 ı 0 w w w w per week Contact Hrs. 0 0 0 -0 0 0 4 4 0 0 2 N Total 2 2 4 4 4

		_		
С	В	A		
Natural Language Processing	Digital Image Processing	Blockchain Technology	DE-1	Extracurricular Activities
Communication System	Analog and DigitalCommunication	Mobile Application Development	OE-1	It is a one credit per year activity to be endorsed in eight semester marks sheet.
,				in eight semester marks sheet.

IT-508

ILC

Extracurricular Activities

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Course, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Department Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, T:Tutorial, P:Practical), BFC-Basic Science Course, ESC-Engineering Science

MST: Minimum two mid semester tests to be conducted during Semester Subject Code IT-604 IT-603 IT-605 IT-602 IT-601 IT-607 Category Subject DLC DE DE DC DC **Extracurricular Activities** Android Programming Minor Project Web Application Development Data Mining and Warehousing DE-3 DE-2 OE-2 Subject Name (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) Bachelor of Technology (B. Tech.) - Information Technology (Dept. of IT) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.) 300 60 60 60 60 60 ES for Batch Admitted in session - 2023-24 Scheme of Examination (Semester-VI) 100 20 20 20 20 MS 20 It is a one credit per year activity endorse in eight semester mark sheet Assignment 50 10 10 10 10 10 Maximum Marks Allotted Quiz 50 10 10 10 10 0 150 50 30 30 30 ES Practical LW 50 50 10 10 10 Quiz 50 10 10 10 Marks 750 Total 100 100 100 50 100 150 150 15 0 0 w w w w w Contact Hrs. per week 2 0 0 0 0 0 10 2 0 0 0 2 2 Total Credits 22 w 4 4 4 4

Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, T:Tutorial, P:Practical), BFC-Basic Science Course, ESC-Engineering Science Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Department Course, DC Department Laboratory Course

**The Course of the Course of th

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Soft Computing

Robotics Process Automation

Data Science Analytics

Big Data Analytics

Web Application Development

OE - 2

Deep Learning

Information Security

Sensor Network

Cloud Computing

B

A

DE -2

DE-3

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)

Scheme of Examination (Semester-VII) for Batch Admitted in session - 2023-24

Bachelor of Technology (B. Tech.) - Information Technology

					000	,			00					
			Maxii	Maximum Marks Allotted	lotted						Con	Contact Hrs.	rs.	Total
Subject	Subject	Subject Name	Theory	У			Practical	2		Total	per	per week		Credits
Code	Category		ES	MS	Assignment	Quiz	ES	LW	Quiz	Marks	L	T	P	
IT-701	DC	Software Testing and Quality	60	20	10	10	4	1	1	100	w	0	0	03
IT-702	DE-4	DE-IV	60	20	10	10	1	8	1	100	w	0	0	03
IT-703	DE-5	DE-V	60	20	10	10	1	1	-	100	w	0	0	03
IT-704	DE-6	DE-VI	60	20	10	10	1	1	-	100	w	0	0	03
IT-705	PROJ	Major Project Prelim		1	1		100	50	1	150	0	0	∞	04
		Internship-III												
IT-706	ILC	(Completed in Third Year)	1	1	1		I	100	1	100	0	0	4	02
Total			240	08	40	40	100	150	1	650	12	0	12	18
IT-707	ILC	Extracurricular Activities			It is a one credit per year activity endorse in eight semester mark sheet	dit per ye	ar activit	ty endor	se in eig	ht semest	er ma	rk she	et	
MST. M	nimum two r	MST: Minimum two mid semester tests to be conducted during Semester	hicted d	luring Semester										

IVIS 1: IVIIIIImum two mid semester tests to be conducted during Semester

CB-4	DE-6
A Distributed System Information and Storage Retrieval	
	using UML, Java and Patterns
B Internet Technology Optimization Techniques	Business Intelligence & Analytics
C Computer Vision Pattern Recognition	Systems and Usable Security

Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Department Course, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course

Ourse, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course

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(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal) SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)

Scheme of Examination (Semester-VIII) for Batch Admitted in session - 2023-24

Dankalan of Tachnology (R. Tach) - Information Technology

			Bach	elor of Leci	Bachelor of Technology (B. Tech.) - I	UIOLIIIAUIO	титогизацоп теспногову					
					Maximum Marks Allotted	otted			Con	Contact Hrs	Irs.	Total
	Cultinat			Theory			Practical		pe	per week	*	Credits
Subject	Subject	Subject Name		C. C. C. C.			T WY/	Lotal				
	Category	Subject Maine	ES	MS	Assignment/ Quiz	ES	LW/ Quiz	Marks	L	H	P	
IT-801	PROI	Major Project				250	150	400	0	0	20	10
		Hitchs//architembrenachi						100				M
IT-802	ILC	Extracurricular Activities	It is a one credit p	per year activ	It is a one credit per year activity endorsed in eight	100	1	100	1	l	1	04
			semester mark sheet	eet							3	
Total						350	150	500	0	0	20	14
IOTAL												

*List of Course suggested by department (Min. of 8 weeks)

all a

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Course, DE-Department Elective, OE-Open Elective, DLC-Departmental Laboratory Course Course, HSMC-Humanities Science & Management Course, MAC-Mandatory Audit Course, HEC-Holistic Education Course, ILC-Institute Level Course, DC Department Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, T:Tutorial, P:Practical), BFC-Basic Science Course, ESC-Engineering Science

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