



**Bachelor of Technology (B. Tech.)—Information Technology (Dept. of IT)**

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted							Contact Hrs. per week			Total Credits	
			Theory				Practical							
			ES	MS	Assignment	Quiz	ES	LW	Quiz	L	T	P		
MAB301	BSC	Discrete mathematics	60	20	10	10	--	--	--	100	3	1	0	4
IT-302	DC	Communication system	60	20	10	10	30	10	10	150	3	0	2	4
IT-303	DC	Object Oriented Programming with Java	60	20	10	10	30	10	10	150	3	0	2	4
IT-304	DC	Analysis and Design of Algorithms	60	20	10	10	30	10	10	150	3	0	2	4
IT-305	DC	Computer System Organization	60	20	10	10	30	10	10	150	3	0	2	4
IT-306	DLC	Internet Programming	--	--	--	--	30	10	10	100	3	0	0	3
IT-307	ILC	Internship-I(60Hrs) Institute Level (Evaluation) (60 Hrs) (Completed in First Year)	--	--	--	--	-	50	-	50	0	0	4	2
<b>Total</b>			<b>300</b>	<b>100</b>	<b>50</b>	<b>50</b>	<b>120</b>	<b>90</b>	<b>40</b>	<b>750</b>	<b>15</b>	<b>1</b>	<b>12</b>	<b>22</b>
	ILC	<b>Extracurricular Activities</b>	It is a one credit per year activity to be endorsed in eight semester marks sheet.										Grade	
MAC- 308	MAC*	Energy, Ecology, Environment & Society		20	10	10								
HUM -309	HEC*	Holistic Education Course (Stress Management)		20	10	10								Grade

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

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

Internship-II(60Hrs) to be evaluated in Fifth semester

Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lecture,T:Tutorial,P:Practical), BFC-Basic Science Course, ESC-Engineering Science Course, HSMC-Elective, DLC-Departmental Laboratory Course

Prof. Abhishek Mathur

Prof. Ramratan Ahirwal

Dr. Shailendra Kumar Shrivastava

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



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

**Scheme of Examination (Semester-IV)**  
**For Batch Admitted in session-2024-25**

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			Theory				Practical										
			ES	MS	Assignment	Quiz	ES	LW	Quiz								
IT-401	DC	Computer Network	60	20	10	10	30	10	10	150	3	0	2	4			
IT-402	DC	Database Management System	60	20	10	10	30	10	10	150	3	0	2	4			
IT-403	DC	Automata and Compiler Design	60	20	10	10	30	10	10	150	3	0	2	4			
IT-404	DC	Software Engineering	60	20	10	10	30	10	10	150	3	0	2	4			
IT-405	DC	Information Theory and Coding	60	20	10	10	--	--	--	100	3	1	0	4			
IT-406	DL	Advance Java Programming	--	--	--	--	60	20	20	100	3	1	0	4			
<b>Total</b>			<b>300</b>	<b>100</b>	<b>50</b>	<b>50</b>	<b>150</b>	<b>50</b>	<b>50</b>	<b>750</b>	<b>15</b>	<b>2</b>	<b>10</b>	<b>22</b>			
	ILC	Extracurricular Activities	Based on participation in extra curriculum activities, one credit per year to be endorsed in the eight semester mark Sheet.										Grade				
HUM-407	HEC*	Holistic Education Course (Disaster Management & Preparedness)		20	10	10											

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 Internship-II(60Hrs) 1 to be evaluated in Fifth semester

Prof. Abhishek Mathur

Department of Information Technology

Prof. Ramratan Ahirwal

Dr. Shailendra Kumar Shrivastava

Date of BOS 23-12-2025