



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

Scheme of Examination (Semester-VII)

For Batch Admitted in session-2022-23

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

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hrs. per week			Total Credits		
			Theory				Practical				L	T	P			
			ES	MS	Assignment	Quiz	ES	LW	Quiz							
IT-701	DC	Software Testing and Quality	60	20	10	10	--	--	--	100	3	0	2	03		
IT-702	DE-4	DE-IV	60	20	10	10	--	--	--	100	3	0	0	03		
IT-703	DE-5	DE-V	60	20	10	10	--	--	--	100	3	0	0	03		
IT-704	DE-6	DE-VI	60	20	10	10	--	--	--	100	3	0	0	03		
IT-705	PROJ	Major Project Prelim	--	--	--	--	100	50	--	150	0	0	8	04		
IT-706	ILC	Internship-III [90 Hrs] (Completed in Third Year)	--	--	--	--	--	100	--	100	0	0	4	02		
Total			240	80	40	40	100	150	--	650	12	0	12	18		
IT-707	ILC	Extracurricular Activities				It is a one credit per year activity endorse in eight semester mark sheet										

MST: Minimum two mid semester tests to be conducted during Semester

	DE-IV	DE-V	DE-VI
A	Distributed System	Information and Storage Retrieval	Object Oriented System Development using UML, Java and Patterns
B	Internet Technology	Optimization Techniques	Business Intelligence & Analytics
C	Computer Vision	Pattern Recognition	Systems and Usable Security

Minor Degree and Honor Degree: Students can opt any number of subjects depending on the number of credits he/she wants to earn in a particular semester for Hon-ours/Minor Degree. Total 20 credits required for Hon-ours/Minor Degree (From V to VIII Semester – Refer pool of attached subjects for Hon-ours/Minor Degree)

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 & 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

Department of Information Technology

Date of BOS 23-12-2025



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

Scheme of Examination (Semester-VIII)

For Batch Admitted in session-2022-23

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

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted					Contact Hrs. per week			Total Credits	
			Theory			Practical						
			ES	MS	Assignment/Quiz	ES	LW/Quiz	Total Marks	L	T	P	
IT-801	PROJ	Major Project				250	150	400	0	0	20	10
IT-802	ILC	Extracurricular Activities	It is a one credit per year activity endorsed in eight semester mark sheet			100	--	100	--	--	--	04
Total						350	150	500	0	0	20	14

Minor Degree and Honor Degree: Students can opt any number of subjects depending on the number of credits he/she wants to earn in a particular semester for Honours/Minor Degree. Total 20 credits required for Honours/Minor Degree (From V to VIII Semester – Refer pool of attached subjects for Honours/Minor Degree)

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

~   

Tentative Pool of subjects for Honours and Minor Degree SWAYAM/NPTEL/MOOC's Courses

Tentative Pool of subjects for Honours and Minor Degree SWAYAM/NPTEL MOOC's Course

Honours Degree for students of Parent Department

Sr. No.	Credit Points	Course/Subject Name	Equivalent Course in NPTEL	Course Duration(Week)	Link
1	3	Computer Vision And Image Processing - Fundamentals And Applications	https://onlinecourses.nptel.ac.in/noc26_ee31/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/108103174
2	3	Neural Networks for Computer Vision and Natural Language Processing	https://onlinecourses.nptel.ac.in/noc26_cs04/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106103843
3	3	Introduction To Industry 4.0 And Industrial Internet Of Things	https://onlinecourses.nptel.ac.in/noc26_cs38/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106105195
4	3	Parallel Computer Architecture	https://onlinecourses.nptel.ac.in/noc26_cs25/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106105163
5	3	Deep Learning for Natural Language Processing	https://onlinecourses.nptel.ac.in/noc26_cs33/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/108105572
6	3	Cryptography and Network Security	https://onlinecourses.nptel.ac.in/noc26_cs57/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106105162
7	3	Foundations of Cyber Physical Systems	https://onlinecourses.nptel.ac.in/noc26_cs41/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106105241
8	3	Machine Learning for Engineering and science applications	https://onlinecourses.nptel.ac.in/noc26_cs76/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106106198
9	3	Business Intelligence & Analytics	https://onlinecourses.nptel.ac.in/noc26_cs64/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106106361
10	3	Introduction to Information Retrieval	https://onlinecourses.nptel.ac.in/noc26_cs13/preview	Jan-April (12 weeks)	https://nptel.ac.in/courses/106106852

*Note: Those subjects which are already studied in the core scheme from I to VIII semester cannot be opted.

20 additionally to be earned between V to VIII semester Maximum 6 credits per semester from V semester onwards will be permitted.

Mr

100

12/23.12