
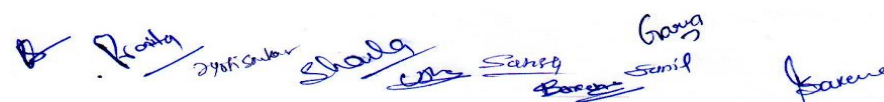


Annexure II

		SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.) (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)												
		Scheme of Examination (Semester-V) Bachelor of Technology (B. Tech.) – CSE (BC)												
		for Batch Admitted in session - 2023-24												
Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Hrs.			Total Credits
			Theory				Practical			Total Marks	Contact Hrs.			
			ES	MS	Assignment	Quiz	ES	LW	Quiz		L	T	P	
BC 501	DC	Artificial Intelligence	60	20	10	10	--	--	--	100	3	0	0	3
BC 502	DC	Distributed System	60	20	10	10	--	--	--	100	3	0	0	3
BC 503	DC	Cryptography and Network Security	60	20	10	10	--	--	--	100	3	1	0	4
BC 504	DE	DE-1	60	20	10	10	--	--	--	100	3	0	0	3
BC 505	OC	OE-1	60	20	10	10	--	--	--	100	3	0	0	3
BC 506	DLC	Programming Lab-1*	--	--	--	--	60	20	20	100	0	0	4	2
BC 507	DLC	Programming Lab-2**	--	--	--	--	60	20	20	100	0	0	4	2
BC 508	ILC	Internship Evaluation	--	--	--	--	50	--	--	50	0	0	4	2
	ILC	Extracurricular Activities	It is a one credit per year activity to be endorsed in eight semester mark sheet											
Total			300	100	50	50	170	40	40	750	15	1	12	22
List of Courses for Honors Degree (MOOCs)														Credits
List of Courses for Minor Degree (MOOCs)														Credits

* Programming Lab-1 : Practical's based on departmental Core subjects.

** Programming Lab-2 : Open source-1



Total 20 credits required for Honours / Minor degree

DE

Code	BC 504 (A)	BC 504 (B)	BC 504 (C)
DE-1	Web Technology	Introduction to Crypto currency	Software Testing

OE

Code	BC 505 (A)	BC 505 (B)	
OE-1	Foundation of Data Science	Cryptography and Network Security	
Prerequisite	Discrete Mathematics	Computer Networks	

[Handwritten signatures and names: Pratik, Shouq, Sanjay, Ganga, Sanil, Praveen]

Samrat Ashok Technology Institute Vidisha
Computer Science & Engineering Department
MOOC Course List for Honours/Major Degree(Jul - Dec 2025)

S.No	Course ID	Discipline	Course Name	SME Name	Institute	Duration
1	noc24-cs67	Computer Science and Engineering	Introduction to Quantum Computing: Quantum Algorithms and	Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Raghunathan	IIT Madras	4 Weeks
2	noc24-cs106	Computer Science and	Computational Complexity	Prof. Subrahmanyam Kalyanasundaram	IIT Hyderabad	12 Weeks
3	noc24-cs90	Computer Science and	Social Network Analysis	Prof. Tanmoy Chakraborty	IIT Delhi	12 Weeks
4	noc24-cs70	Computer Science and	Introduction to Graph Algorithms	Prof. C Pandu Rangan	IISc Bangalore	8 Weeks
5	noc24-cs94	Computer Science and	Ethical Hacking	Prof. Indranil Sengupta	IIT Kharagpur	12 Weeks
6	noc24-cs95	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra	IIT Kharagpur	12 Weeks
7	noc24-cs109	Computer Science and	Algorithmic Game Theory	Prof. Palash Dey	IIT Kharagpur	12 Weeks
8	noc24-cs100	Computer Science and Engineering	Randomized Methods in Complexity	Prof. Nitin Saxena	IIT Kanpur	12 Weeks
9	noc24-cs97	Computer Science and	Approximation Algorithm	Prof. Palash Dey	IIT Kharagpur	12 weeks
10	noc24-cs132	Computer Science and Engineering	Responsible & Safe AI Systems	Prof. Ponnurangam Kumaraguru Prof. Balaraman Ravindran Prof. Arun Rajkumar	IIIT Hyderabad and IIT Madras	12 Weeks

Samrat Ashok Technology Institute Vidisha
Computer Science & Engineering Department
MOOC Course List for Minor Degree(Jul - Dec 2025)

S.No.	Course ID	Discipline	Course Name	SME Name	Institute	Duration
1	noc24-cs125	Computer Science and Engineering	Programming in Modern C++	Prof. Partha Pratim Das	IIT Kharagpur	12 Weeks
2	noc24-cs76	Computer Science and Engineering	Artificial Intelligence for Economics	Prof. Adway Mitra Prof. Dripto Bakshi Prof. Palash Dey	IIT Kharagpur	8 Weeks
3	noc24-cs79	Computer Science and Engineering	Design and Analysis of Algorithms	Prof. Madhavan Mukund	Chennai Mathematical Institute	8 Weeks
4	noc24-cs101	Computer Science and Engineering	Introduction to Machine Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks
5	noc24-cs80	Computer Science and Engineering	Introduction to Operating Systems	Prof. Chester Rebeiro	IIT Madras	8 Weeks
6	noc24-cs103	Computer Science and Engineering	Getting Started with Competitive Programming	Prof. Neeldhara Misra	IIT Gandhinaga	12 Weeks
7	noc24-cs118	Computer Science and Engineering	Cloud Computing	Prof. Soumya Kanti Ghosh	IIT Kharagpur	12 Weeks
8	noc24-ge58	Multidisciplinary	Bandit Algorithm	Prof. Manjesh Hanawal	IIT Bombay	12 Weeks
9	noc24-cs105	Computer Science and Engineering	Programming in Java	Prof. Debasis Samanta	IIT Kharagpur	12 Weeks
10	noc24-cs114	Computer Science and Engineering	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar Prof. Sukrit Gupta	IIT Ropar	12 Weeks