



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 - 2022-23

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted										Contact Hrs.			Total Credits	
			Theory					Practical					Total Marks	L	T		P
			ES	MS	Assignment	Quiz	ES	LW	Quiz	ES	LW	Quiz					
BC 501	DC	Artificial Intelligence	60	20	10	10	--	--	10	--	--	--	100	3	0	0	3
BC 502	DC	Distributed System	60	20	10	10	--	--	10	--	--	--	100	3	0	0	3
BC 503	DC	Cryptography and Network Security	60	20	10	10	--	--	10	--	--	--	100	3	1	0	4
BC 504	DE	DE-1	60	20	10	10	--	--	10	--	--	--	100	3	0	0	3
BC 505	OC	OE-3	60	20	10	10	--	--	10	--	--	--	100	3	0	0	3
BC 506	DLC	Programming Lab-1*	--	--	--	--	60	20	20	20	20	20	100	0	0	4	2
BC 507	DLC	Programming Lab-2**	--	--	--	--	60	20	20	20	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	40	40	40	750	15	1	12	22

List of Courses for Honors Degree (MOOCs)

List of Courses for Minor Degree (MOOCs)

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

**** Programming Lab-2 : Open source-1**

Total 20 credits required for Honors / Minor degree

DE

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

OE

Code	BC 505 (A)	BC 505 (B)
OE-3	Foundation of Data Science	Cryptography and Network Security
Prerequisite	Discrete Mathematics	Computer Networks

List of Courses for Honors Degree (MOOCs)

NPTEL Code	Category	Subject Name	Duration	Credits
noc24-cs100	CSE	Randomized Methods in Complexity	12 weeks	3
noc24-cs85	CSE	Practical Cyber Security for Cyber Security Practitioners	12 weeks	3
noc24-cs89	CSE	Deep Learning for Computer Vision	12 weeks	3
noc24-cs95	CSE	Introduction to Industry 4.0 and Industrial Internet of Things	12 weeks	3
noc24-cs126	CSE	Design & Implementation of Human-Computer Interfaces	12 weeks	3

List of Courses for Minor Degree (MOOCs) * Not for CSE and allied branches

NPTEL Code	Category	Subject Name	Duration	Credits
noc24-cs98	CSE	Discrete Mathematics	12 weeks	3
noc24-cs79		Design and Analysis of Algorithms OR Introduction to Algorithms and Analysis	08 weeks	2
OR noc24-cs116	CSE		OR	OR
noc24-cs80		Introduction to Operating System OR Operating System Fundamentals	12 weeks	3
OR noc24-cs108	CSE		OR	OR
noc24-cs75	CSE	DBMS	08 weeks	2
noc24-cs125	CSE	Programming in Modern C++	12 weeks	3