



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

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						
CS 501	DC	Artificial Intelligence	60	20	10	10	--	--	--	100	3	0	0	3	
CS 502	DC	Distributed System	60	20	10	10	--	--	--	100	3	0	0	3	
CS 503	DC	Computer Graphics & Multimedia	60	20	10	10	--	--	--	100	3	1	0	4	
CS 504	DE	DE-1	60	20	10	10	--	--	--	100	3	0	0	3	
OE 505	OE	OE-3	60	20	10	10	--	--	--	100	3	0	0	3	
CS 506	DLC	Programming Lab-1*	--	--	--	--	60	20	20	100	0	0	4	2	
CS 507	DLC	Programming Lab-2**	--	--	--	--	60	20	20	100	0	0	4	2	
CS 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 based on departmental core subjects.

** Programming Lab-2: Open Source Lab-1.

List of Electives DE-1

CS 504 DE-1(A)	CS 504 DE-1(B)	CS 504 DE-1(C)
Software Testing	Web Technology	Network Security

List of Electives OE-1 launched by CSE programme

OE-3		Prerequisite
CS-505(A)	Foundation of Data Science	Discrete Mathematics
CS-505(B)	Artificial Intelligence	Discrete Mathematics

Total 20 credits required for Honors / Minor degree

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-cs87	CSE	Computational Arithmetic - Geometry for Algebraic Curves	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 OR noc24-cs116	CSE	Design and Analysis of Algorithms OR Introduction to Algorithms and Analysis	08 weeks OR 12 weeks	2 OR 3
noc24-cs80 OR noc24-cs108	CSE	Introduction to Operating System OR Operating System Fundamentals	08 weeks OR 12 weeks	2 OR 3
noc24-cs75	CSE	DBMS	08 weeks	2
noc24-cs125	CSE	Programming in Modern C++	12 weeks	3