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

Scheme of Examination (Semester-VI)

for Batch Admitted in session - 2023-24

Bachelor of Technology (B. Tech.) – Artificial Intelligence and Data Science

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Hrs. per week			Total Credits
			Theory				Practical			Total Marks				
			ES	MS	Assignment	Quiz	ES	LW	Quiz		L	T	P	
AI-601	DC	Machine Learning	60	20	10	10	30	10	10	150	3	0	2	4
AI-602	DC	Data Mining & Data Warehousing	60	20	10	10	30	10	10	150	3	0	2	4
AI-603	DE	DE-II	60	20	10	10				100	3	0	0	3
AI-604	DE	DE-III	60	20	10	10				100	3	1	0	4
AI-605	OE	OE-II	60	20	10	10				100	3	0	0	3
AI-606	DLC	Advanced Data Science Lab-II					30	10	10	50	0	0	2	1
AI-607		Minor Project					50	50		100			4	2
			300	**100**	**50**	**50**	**140**	**80**	**30**	**750**	**15**	**1**	**10**	**21**
	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														

Note: 1.Open Courses launched by respective Programmes are not applicable for students of parental programmes.

Abbreviations: ES -End Semester, MS- Mid Semester, LW- Laboratory Work/Assignment. (L: Lecture, T: Tutorial, P: Practical) BSC- Basic Science Course, ESC- Engineering Science Course, HSMC- Humanities Science and Management Course, MAC- Mandatory, Audit Course, AC- Audit Course, HEC- Holistic Education Courses: NSS/NCC/NSO, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC-Open Course, DLC- Department Laboratory, PROJ- Project Work, VA-Value Added Course

Internship-III (120 Hrs) External /Institute Level

Total 20 credits required for Honours / Minor degree

	DE -II	DE -III	OE – II
A	Optimization Techniques	Cryptography & Network Security	Cloud Computing
B	Knowledge Representation	Soft Computing	Data Science Analytics
C	Computer Vision	Robotics and process automation	Artificial Intelligence
D	--		--

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