



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

Scheme of Examination (Semester-III)

for Batch Admitted in session - 2022-23

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	L	T		P
			ES	MS	Assignment	Quiz	ES	LW	Quiz						
MAB-301	BSC	Discrete Mathematics	60	20	10	10	--	--	--	100	3	1	0	4	
AI-302	DC	Analysis and Design of Algorithms	60	20	10	10	30	10	10	150	3	0	2	4	
AI-303	DC	OOPs	60	20	10	10	30	10	10	150	3	0	2	4	
AI-304	DC	Operating System	60	20	10	10	30	10	10	150	3	0	2	4	
OE-305	OE	OE-I	60	20	10	10	--	--	--	100	3	0	0	3	
AI-306	DL	Internet Programming	--	--	--	--	30	10	10	50	0	0	4	2	
AI-307	ILC	Internship-I (60 Hrs) Institute Level (Evaluation)	--	--	--	--	-	50	--	50	-	-	2	2	
<b>Total</b>			<b>300</b>	<b>100</b>	<b>50</b>	<b>50</b>	<b>120</b>	<b>90</b>	<b>40</b>	<b>750</b>	<b>15</b>	<b>1</b>	<b>12</b>	<b>23</b>	
	ILC	Extracurricular Activities	Based on participation in extra curriculum activities, one credit per year to be endorsed in the eight semester mark sheet.												
MAC-308	MAC*	Energy, Ecology, Environment & Society	-	20	20	10	-	-	-	-	-	-	-	Grade	
HUM-309	HEC*	Holistic Education Course	-	20	20	10	-	-	-	-	-	-	-	Grade	
MS: Minimum two mid semester tests are to be conducted during Semester, (L-Lecture, T- Tutorial, P-Practical )															
MAC* -Mandatory audit course & HEC*- Holistic education courses classes will be conducted in off hours (Weekends)															
Open Courses launched by respective Programmes are not applicable for students of parental programme.															
Open Course Offered by AIADS Session: 2023-24 Semester III															
Open Elective-I (OE-305)		A				B				C					
		Computer System Organisation				Operating System				Data Structure					
Prerequisite		Fundamental knowledge of digital electronics				Computer Programming				Logical thinking and Computer Fundamentals					
Remark		Open to All				Not Applicable for - CSE & CSE(BC)				Not Applicable for - CSE and Allied branches, EC					

Abbreviations: ES-End Semester, MS-Mid Semester, LW-Laboratory Work, Assignment (L:Lectre, 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