

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

Scheme of Examination (Semester-I) Bachelor of Technology CSE (AIADS)

for Batch Admitted in session - 2024-25

			Maximum Marks Allotted								Co	***		
Subject	Subject	Subject Name		T	heory			Practica	1	Total	Co	ntact H	IS.	Total
Code	Category	Subject Frame	ES	MS	Assignm ent	Quiz	ES	LW	Quiz	Marks	L	Т	P	Credits
CHB-101	BSC	Applied Chemistry	60	20	10	10	30	10	10	150	3	0	2	4
CSA-101	ESC	Introduction to Computer Science Engineering	60								3	0	2	4
HUB-101	HSMC	Communication & Report Writing	60	60 20 10 10 100 3 0 0 3										
CSA 102	ESC	Digital Electronics	60	20	10	10	30	10	10	150	3	0	2	4
MAB 101	BSC	Linear Algebra and Calculus	60	20	10	10				100	3	1	0	4
	ILC	Extracurricular Activities	It is a or	ne credit pe	er year activi	ty to be end	dorsed in	eight sem	ester marl	k sheet.				
	7	Fotal	300 100 50 50 90 30 30 650 15 1 6 19											
MAC 101	MAC	Universal Human Values and Professional Ethics					60	20	20	100	0	0	2	Grade
M	ST: Minimun	n two mid semester tests to be co	onducted	during Sen	nester, MAC	: Mandatoi	y courses	classes w	rill be con	ducted in o	off hou	rs (Wee	kends)	



(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

Scheme of Examination (Semester-II) Bachelor of Technology CSE (AIADS)

for Batch Admitted in session - 2024-25

			Maximum Marks Allotted								Co	ntoot I	[ma	
Subject	Subject	Subject Name		T	heory			Practical	l	Total		ntact H	irs.	Total
Code	Category	audjeet i tume	ES	MS	Assignm ent	Quiz	ES	LW	Quiz	Marks	L	Т	P	Credits
PYB101	BSC	Applied Physics	60	20	10	10	30	10	10	150	3	0	2	4
CSA103	ESC	Problem Solving and Data Structure	60	20	10	10	30	10	10	150	3	0	2	4
ITC101	ITC	Python Programming	60	20	10	10	30	10	10	150	3	0	2	4
CSA104	ESC	Principles of Software System	60	20	10	10				100	3	0	0	3
MAB102	BSC	Statistics: Probability Distribution and Differential Equations	60	20	10	10				100	3	1	0	4
CSL110	ESC	Computer Workshop(Linux Lab)					30	10	10	50	1	0	2	2
ILC100	ILC	Extracurricular Activities	It is a one credit per year activity to be endorsed in eight semester mark sheet.											
]	Γotal	300	100	50	50	120	40	40	700	16	1	8	21
MAC102	MAC	Professional Ethics and Social responsibility		20	20	10				50	0	0	2	Grade

MST: Minimum two mid semester tests to be conducted during Semester, MAC: Mandatory courses classes will be conducted in off hours (Weekends)



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Scheme of Examination (Semester-III) Bachelor of Technology (B. Tech. –AIADS)

for Batch Admitted in session - 2024-25

			Maximum Marks Allotted								Co	ntact H	[440	
Subject	Subject	Subject Name		7	Theory			Practica	1	Total	Co	піасі п	IIS.	Total
Code	Category	2 de jeor i vanio	ES	MS	Assignm ent	Quiz	ES	LW	Quiz	Marks	L	Т	P	Credits
MAB-301	BSC	Discrete Mathematics	60	20	10	10				100	3	1	0	4
AI-302	DC	Artificial Intelligence	60	20	10	10	30	10	10	150	3	0	2	4
AI-303	DC	OOPs with JAVA	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
AI-305	DC	Computer System Organization	60	20	10	10				100	3	0	0	3
AI-306	DL	Web Application Development					30	10	10	50	0	0	4	2
AI-307	ILC	Internship-I (60 Hrs) Institute Level (Evaluation)					-	50		50	-	-	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	120	90	40	750	15	1	14	23
MAC-308	MAC	Energy, Ecology, Environment & Society		20	20	10								Grade
HUM-309	HEC* optional	Holistic Education Course		20	20	10								Grade

MST: Minimum two mid semester tests to be conducted during Semester, MAC: Mandatory courses classes will be conducted in off hours (Weekends)

HEC* classes to be conducted in online mode.



(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

Scheme of Examination (Semester-IV) Bachelor of Technology (B. Tech. -AIADS)

for Batch Admitted in session - 2024-25

			Maximum Marks Allotted								Contact H			
Subject	Subject	Subject Name			Theory			Practica	l	Total	C0.	mact 1	115.	Total
Code	Category	J	ES	MS	Assignment	Quiz	ES	LW	Quiz	Marks	L	T	P	Credits
AI-401	DC	Computer Networks	60	20	10	10	30	10	10	150	3	0	2	4
AI-402	DC	Data Base Management System	60	20	10	10	30	10	10	150	3	0	2	4
AI-403	DC	Foundation of Data Science	60	20	10	10	30	10	10	150	3	0	2	4
AI-404	DC	Software Engineering	60	20	10	10				100	3	0	0	3
AI-405	DC	Analysis and Design of Algorithms	60	20	10	10				100	3	1	0	4
AI-406	DL	Advance Java Programming					60	20	20	100	0	0	4	2
ILC Extracurricular Activities It is a one credit per year activity to be						o be endor	sed in eig	ght semes	ter mark	sheet.				
	Total			100	50	50	150	50	50	750	15	1	10	21

Internship-II (90 Hrs) External /Institute Level:- To be evaluated in V semester.



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Scheme of Examination (Semester-V) Bachelor of Technology (B. Tech. –AIADS)

for Batch Admitted in session - 2024-25

Maximum Marks Allotted														
Subject	Subject	Subject Name		T	heory		NO AHUU	Practica	<u> </u>	Total	Co	ntact F	Irs.	Total
Code	Category	Subject Name	ES	MS	Assign ment	Quiz	ES	LW	Quiz	Total Marks	L	Т	P	Credits
AI-501	DC	Fuzzy logic	60	20	10	10	30	10	10	150	3	0	2	4
AI-502	DC	Data Science Analytics	60	20	10	10	30	10	10	150	3	0	2	4
AI-503	DC	Cloud Computing	60	20	10	10	30	10	10	150	3	0	2	4
AI-504	DE	DE-I	60	20	10	10				100	3	0	0	3
OE-505	OE	OE-I	60	20	10	10				100	3	0	0	3
AI-506	DLC	Advanced Data Science Lab-I					30	10	10	50	0	0	4	2
AI-507	ILC	Internship-II (60 Hrs) Institute Level (Evaluation)						50		50	-	-	4	2
	ILC	Extracurricular Activities	It is a or	ne credit po	er year activi	ity to be end	dorsed in	eight sem	nester mai	k sheet				
	Total			300 100 50 50 120 90 40 750						750	15	0	14	22

List of Courses for Honours Degree (MOC	OCs)						Credits
List of Courses for Minor Degree (MOO	Cs)						Credits

Total 20 credits required for Honours / Minor degree

	DE -I	OE-I
A	Human Computer Interaction	Fuzzy logic
В	Image processing	Computer Graphics & multimedia
С	Information retrieval	Software Engineering

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

2. Subject which is being opted by IT/IOT/Others in OC-3 should not be opted as DE/DC in parent department.



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 - 2024-25

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

					Maximu	ım Mar	ks All	otted				onta		Total
Subject Code	Subject	Subject Name			Theory]	Practic	al	Total		rs. p week		Credits
	Category	ů	ES	MS	Assignment	Quiz	ES	LW	Quiz	Marks	L	Т	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	activi	ty endo	rse in e	ight semes	ster m	ark s	sheet	
MST: Minimun	n two mid semes	ter tests to be conducted during Semester												

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

2. Subject which is being opted by IT/IOT/Others in OC-4 should not be opted as DE/DC in parent department.

Internship-III (120 Hrs) External /Institute Level

	DE -II	DE -III	OE – II
A	Optimization Techniques	Cryptography & Network Security	Cloud Computing
В	Knowledge Representation	Introduction to IOT	Data Science Analytics
С	Computer Vision	Robotics and process automation	Artificial Intelligence

Total 20 credits required for Honours / Minor degree



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Scheme of Examination (Semester-VII) Bachelor of Technology (B. Tech.) – for Batch Admitted in session - 2024-25

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					Max	imum Mai	rks Allot	ted			C	ontact I	Jrc.	
Subject	Subject	Subject Name		T	heory			Practica	1	- Total		mact I	118.	Total
Code	Category	Sucject Manie	ES	MS	Assign ment	Quiz	ES	LW	Quiz	Marks	L	Т	P	Credits
AI-701	DC	Deep Learning	60	20	10	10	30	10	10	150	3	0	2	04
AI-702	DE	DE-IV	60	20	10	10				100	3	1	0	04
AI-703	DE	DE-V	60	20	10	10				100	3	1	0	04
AI-704	PROJ	Major Project (Phase-I)					60	20	20	100	0	0	8	04
AI-705	ILC	Internship-III (Completed in Third Year)					30	10	10	50	0	0	4	02
	ILC	Extracurricular Activities		1	t is a one cre	edit per year	r activity	to be ende	orsed in e	ight semes	ter mai	rksheet	t.	
	T	otal	180	60	30	30	120	40	40	500	9	2	14	18
	List of Cours	ses for Honours Degree (MOC	OCs)									Credits		
List of Cou	ist of Courses to be floated from NPTEL/SWAYAM													
D	During Academic Years 2026-2028.													
	List of Courses for Minor Degree (MOOCs)													Credits

List of Courses to be floated from NPTEL/SWAYAM						
During Academic Years 2026-2028.						

Total 20 credits required for Honours / Minor degree

	DE -IV	DE-V
A	Introduction to Logics	Big Data Analytics
В	Natural Language Processing	Data Handling & Visualization
С	Business Intelligence	Software Testing & Quality Assurance



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Scheme of Examination (Semester-VIII) Bachelor of Technology (B. Tech.) -

and sec.		for Batch Admitted in session - 2024-25												
Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Ura			
			Theory				Practical			Total	Contact Hrs.			Total
			ES	MS	Assign ment	Quiz	ES	LW	Quiz	Marks	L	Т	P	Credits
AI 801	Major Project / MOOCS	Major Project (Phase-II)					300	200		500	0	0	20	10
	ILC	Extracurricular Activities												4
Total							300	200		500				14
List of Courses for Honors Degree (MOOC			Cs)										ļ	Credits
List of Courses to be floated from NPTEL/SWAYAM During Academic Years 2026-to-2028														
List of Courses for Minor Degree (MOOC			Cs)	l										Credits
List of Courses to be floated from NPTEL/SWAYAM During Academic Years 2026-2028.														

