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School of Computer Science & IT

Course Scheme Even Semester January – June 2023

Devi Ahilya Vishwa Vidyalaya, Indore

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

BCA 2nd Semester – Batch (A) (According to National Education Policy (NEP-2020))

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-3208	Object Oriented Programming Through C++ - II	3	1		6	40		60	100	Mr. K.L Suryawanshi	
	Object Oriented Programming Through C++ - II - Practical			4				40	60	100	
CS-1501	Operating System Basics & PC Packages	2	0		3	40		60	100	Dr. Deepika Rai	
	Operating System Basics & PC Packages - Practical			2				50	50	100	
CS-2020	Electronic Circuits	2	0		3	40		60	100	Ms. Minal Nagar	
	Electronic Circuits - Practical			2				50	50	100	
IC-2927	Environmental Awareness	1	1	0	2	40	-	60	100	Dr. Shyamli Chowdhury	
IC-1905	English Language and Composition	1	1	0	2	40	-	60	100	Ms. Soniya Chimnani	
CS-1102	Mathematics- II	3	1	0	4	40	-	60	100	Ms. Simran Damodare	
	Total Credit →				20	Total Marks →			900		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

BCA 2nd Semester – Batch (B) (According to National Education Policy (NEP-2020))

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty	
CS-3208	Object Oriented Programming Through C++ - II	3	1		6	40		60	100	Mr. K.L Suryawanshi		
	Object Oriented Programming Through C++ - II - Practical			4				40	60	100		Mr. K.L Suryawanshi
CS-1501	Operating System Basics & PC Packages	2	0		3	40		60	100	Dr. Deepika Rai		
	Operating System Basics & PC Packages - Practical			2				50	50	100		Dr. Deepika Rai
CS-2020	Electronic Circuits	2	0		3	40		60	100	Ms. Minal Nagar		
	Electronic Circuits - Practical			2				50	50	100		Ms. Minal Nagar
IC-2927	Environmental Awareness	1	1	0	2	40	-	60	100	Dr. Shyamli Chowdhury		
IC-1924	Hindi Language	1	1	0	2	40	-	60	100	Dr. Sandhya Prajapati		
CS-1102	Mathematics- II	3	1	0	4	40	-	60	100	Ms. Simran Damodare		
	Total Credit →					20	Total Marks →			900		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

BCA 4th Semester – Batch (A) (According to National Education Policy (NEP-2020))

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-3210	JAVA Programming	3	1		6	40		60	100	Dr. Ajay Tiwari	
	JAVA Programming-Practical			4				40	60	100	
CS-2402	Introduction to DBMS	2	0		3	40		60	100	Ms. Tarjani Sevak	
	Introduction to DBMS-Practical			2				50	50	100	
CS-2004	Introduction to Computer Architecture	2	0		3	40		60	100	Mr. Pankaj Jagtap	
	Introduction to Computer Architecture-Practical			2				50	50	100	
IC-2504	Advanced ICT Tools	2	1		4	40	-	60	100	Ms. Sunita Gaur	
	Advanced ICT Tools Practical			2				50	50	100	
IC-2911	Communication Skills	3	1	0	4	40	-	60	100	Ms. Soniya Chimnani	
Total Credit →					20	Total Marks →			1000		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

BCA 4th Semester – Batch (B) (According to National Education Policy (NEP-2020))

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-3210	JAVA Programming	3	1		6	40		60	100	Dr. Ajay Tiwari	
	JAVA Programming-Practical			4				40	60	100	
CS-2402	Introduction to DBMS	2	0		3	40		60	100	Ms. Tarjani Sevak	
	Introduction to DBMS-Practical			2				50	50	100	
CS-2004	Introduction to Computer Architecture	2	0		3	40		60	100	Mr. Pankaj Jagtap	
	Introduction to Computer Architecture-Practical			2				50	50	100	
IC-2504	Advanced ICT Tools	2	1		4	40	-	60	100	Ms. Sunita Gaur	
	Advanced ICT Tools Practical			2				50	50	100	
IC-2911	Communication Skills	3	1	0	4	40	-	60	100	Ms. Soniya Chimnani	
Total Credit →					20	Total Marks →			1000		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

BCA 6th Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-2502	Fundamentals of Operating Systems	3	1	2	5	30	20	50	100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-3605	Web Technology and Programming	3	1	2	5	30	20	50	100	Ms. Shivranjani Verma	Ms. Shivranjani Verma
CS-3508	Introduction to Cloud Computing	3	1	2	5	30	20	50	100	Mr. Chetan Awasthi	Mr. Chetan Awasthi
IC-3929	Entrepreneurship	3	1	0	4	40	-	60	100	Dr. Ajay Chhabria	
CS-3801B	Project	-	-	-	4	50	-	50	100	Mr. Pankaj Jagtap	
CS-3809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					27	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

M.Sc. (CS) 2nd Semester/ M.Sc. (IT) 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-4209	Data Structures Using C++	3	1	2	5	30	20	50	100	Dr. Shraddha Masih	Dr. Shraddha Masih
CS-4405	Database Management System	3	1	4	6	30	20	50	100	Ms. Shivranjani Verma	Ms. Shivranjani Verma
CS-4305	Software Engineering	3	1	0	4	40	-	60	100	Mr. K.L Suryawanshi	
CS-4008	Computer Architecture	3	1	2	5	30	20	50	100	Mr. Pankaj Jagtap	Mr. Pankaj Jagtap
IC-4915	Organization and Management Concepts	3	1	0	4	40	-	60	100	Dr. Jyoti Jadwani	
CS-4809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					28	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

M.Sc. (CS) 4th Semester/ M.Sc. (IT) 4th Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-5617	Internet & Web Technology	3	1	4	6	30	20	50	100	Mr. Chetan Awasthi	Mr. Chetan Awasthi
CS-5216	Design and Analysis of Algorithms	3	1	2	5	30	20	50	100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-5805B	Project	-	-	-	12	-	-	-	100	Dr. Chaitali Uikey	
CS-5809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					27	Total Marks →			400		

NOTE: M.Sc. (IT) students can opt for subject Internet of Things offered in M.Tech. II Semester

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MBA (CM) 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-2301	Management Information System	3	1	2	5	30	20	50	100	Ms. Sunita Gaur	Ms. Sunita Gaur
CS-4405	Database Management System	3	1	4	6	30	20	50	100	Ms. Anjali Daman	Ms. Anjali Daman
CS-4305	Software Engineering	3	1	0	4	40	-	60	100	Dr. Archana Thakur	
CS-5416	IT Infrastructure Management	3	1	0	4	40	-	60	100	Mr. Hitesh Ninama	
IC-4915	Organization and Management Concepts	3	1	0	4	40	-	60	100	Ms. Bhramjot Bagga	
CS-4809 B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					27	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MBA (CM) 4th Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-4422	ERP Applications	3	1	4	6	30	20	50	100	Dr. Archana Thakur	Dr. Archana Thakur
CS-6313	Software Testing & Quality Assurance	3	1	2	5	30	20	50	100	Dr. Nitin Uikey	Dr. Nitin Uikey
CS-5805B	Project	-	-	-	12			100	100	Dr. Archana Thakur	
CS-5809A	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					27	Total Marks →			400		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MCA 2nd Semester – Batch (A)

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-4405	Database Management System	3	1	4	6	30	20	50	100	Ms. Tarjani Sevak	Ms. Tarjani Sevak
CS-4305	Software Engineering	3	1	0	4	40	-	60	100	Dr. Ugrasen Suman	
CS-5216	Design and Analysis of Algorithm	3	1	2	5	30	20	50	100	Dr. Chaitali Uikey	Dr. Chaitali Uikey
CS-5613	Computer Networks	3	1	0	4	40	-	60	100	Dr. Preeti Saxena	
CS-5617	Internet and Web Technology	3	1	4	6	30	20	50	100	Mr. Mohit Kumar Varma	Mr. Mohit Kumar Varma
CS-4809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					29	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MCA 2nd Semester – Batch (B)

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-4405	Database Management System	3	1	4	6	30	20	50	100	Ms. Tarjani Sevak	Ms. Tarjani Sevak
CS-4305	Software Engineering	3	1	0	4	40	-	60	100	Dr. Ugrasen Suman	
CS-5216	Design and Analysis of Algorithm	3	1	2	5	30	20	50	100	Dr. Chaitali Uikey	Dr. Chaitali Uikey
CS-5613	Computer Networks	3	1	0	4	40	-	60	100	Ms. Minal Nagar	
CS-5617	Internet and Web Technology	3	1	4	6	30	20	50	100	Mr. Mohit Kumar Varma	Mr. Mohit Kumar Varma
CS-4809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					29	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MCA 2nd Semester -Integrated

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-4405	Database Management System	3	1	4	6	30	20	50	100	Dr. Deepika Rai	Dr. Deepika Rai
CS-4305	Software Engineering	3	1	0	4	40	-	60	100	Dr. Nitin Uikey	
CS-5216	Design and Analysis of Algorithm	3	1	2	5	30	20	50	100	Dr. Chaitali Uikey	Dr. Chaitali Uikey
CS-5613	Computer Networks	3	1	0	4	40	-	60	100	Dr. Preeti Saxena	
CS-5617	Internet and Web Technology	3	1	4	6	30	20	50	100	Mr. Mohit Kumar Varma	Mr. Mohit Kumar Varma
CS-4809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					29	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MCA 4th Semester – Batch A and B

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-5805B	Project				12				100	Mr. Hitesh Ninama/ Mr. Chetan Awasthi	
Total Credit →					12	Total Marks →			100		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

PGDCA 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-2301	Management Information System	3	1	2	5	30	20	50	100	Ms. Sunita Gaur	Ms. Sunita Gaur
CS-4405	Database Management System	3	1	4	6	30	20	50	100	Ms. Anjali Daman	Ms. Anjali Daman
CS-4305	Software Engineering	3	1	0	4	40	-	60	100	Dr. Archana Thakur	Dr. Archana Thakur
CS-5416	IT Infrastructure Management	3	1	0	4	40	-	60	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
IC-4915	Organization and Management Concepts	3	1	0	4	40	-	60	100	Ms. Bhramjot Bagga	Ms. Bhramjot Bagga
CS-4809 B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					27	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MTech (CS) 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-6418	Advanced Database Management Systems	3	1	4	6	30	20	50	100	Dr. Sanjay Tanwani	Dr. Sanjay Tanwani
CS-6517	Advanced Compiler Design	3	1	2	5	30	20	50	100	Dr. Maya Ingle	Dr. Maya Ingle
CS-6518	Cloud Computing	3	1	2	5	30	20	50	100	Dr. Shraddha Masih	Dr. Shraddha Masih
CS-6711	Soft Computing	3	1	4	6	30	20	50	100	Dr. Archana Thakur	Dr. Archana Thakur
	Elective-I								100		
CS-6809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
	Total Credit →				32				Total Marks →	600	

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MTech (NM & IS) 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-6628	Legal Aspects of Information Security	3	1	0	4	40	-	60	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
CS-5618	Network Security	3	1	4	6	30	20	50	100	Mr. Pankaj Jagtap	Mr. Pankaj Jagtap
CS-6623	Mobile & Wireless Systems	3	1	4	6	30	20	50	100	Dr. Anand More	Dr. Anand More
CS-6518	Cloud Computing	3	1	2	5	30	20	50	100	Dr. Shraddha Masih	Dr. Shraddha Masih
CS-6630	Internet of Things	3	1	4	6	30	20	50	100	Dr. Preeti Saxena	Dr. Preeti Saxena
CS-6809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					31	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MTech (SE & IA) 2nd Semester*

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS -6313	Software Testing & Quality Assurance	3	1	2	5	30	20	50	100		
CS-6418	Advanced Database Management Systems	3	1	4	6	30	20	50	100		
CS- 6316	Software Reuse & Customization	3	1	4	6	30	20	50	100		
CS-6518	Cloud Computing	3	1	2	5	30	20	50	100		
CS-6712	Data Science	3	1	4	6	30	20	50	100		
CS-6809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					32	Total Marks →			600		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

* No Admission this session

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

***Elective Subjects: Elective-I may be opted from following subjects:**

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	Lab Faculty
CS-6712	Data Science	3	1	4	6	30	20	50	100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-6630	Internet of Things	3	1	4	6	30	20	50	100	Dr. Preeti Saxena	Dr. Preeti Saxena
CS-6623	Mobile & Wireless Systems	3	1	4	6	30	20	50	100	Dr. Anand More	Dr. Anand More

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MTech (CS / NM & IS / SE & IA) 4th Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty
CS-6807B	M.Tech. Project Phase - II				12				100	Internal guide
Total Credit →					12	Total Marks* →			100	

* NOTE: The evaluation scheme for M.Tech. Project Phase - II comprises of:

Topic	Evaluator	Marks
<ul style="list-style-type: none"> • Coding/ Experimentation • Dissertation Writing 	Internal Guide	50
<ul style="list-style-type: none"> • Presentation • Report • Final Viva 	External Examiner	50
Total Marks →		100

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MTech (CS) Executive 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	LAB Faculty
CS-6712	Data Science	3	1	4	6	30	20	50	100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-6223	Python Programming	3	1	4	6	30	20	50	100	Dr. Yakuta Tayyebi	Dr. Yakuta Tayyebi
CS-6807	Minor Project				12				100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-6809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					28	Total Marks →			400		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.

School of Computer Science & IT, DAVV
Course Scheme – January 2023 - June 2023

MTech (CS) Executive 4th Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks	Faculty	LAB Faculty
CS-6630	Internet of Things	3	1	4	6	30	20	50	100	Ms. Shivranjani Verma/ Dr. Preeti Saxena	Ms. Shivranjani Verma/ Dr. Preeti Saxena
CS-6624	Network Management & Cyber Security	3	1	4	6	30	20	50	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
CS-6807B	M.Tech. Project Phase - II				12				100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-6809D	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					28	Total Marks →			400		

NOTE: For the subjects of 6 credits, minor project/ case study is compulsory.