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School of Computer Science & IT

Course Scheme September 2020

Devi Ahilya Vishwa Vidyalaya, Indore

School of Computer Science & IT, DAVV

Course Scheme – September 2020

BCA 1st 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-1101	Mathematics – 1	3	1	0	4	40	-	60	100	Ms. Shazia Umar	
CS-1103	Physics – 1	3	1	0	4	40	-	60	100	Ms. Kavita Ambwani	
IC-1924	Hindi Language	3	1	0	4	40	-	60	100	Dr. Pushpendra Dubey	
CS-1201	Fundamentals of Programming and Problem Solving through C - 1	3	1	4	6	30	20	50	100	Mr. Himanshu Kamal Verma	Mr. Himanshu Kamal Verma
CS-1019	Basic Electricals and Electronics	3	1	2	5	30	20	50	100	Ms. Minal Nagar	Ms. Minal Nagar
CS-1905A	English Language Lab	-	-	2	1	50	50	-	100	Ms. Sunita Gaur	
CS-1809A	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					28	Total Marks →			700		

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

BCA 1st 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-1101	Mathematics – 1	3	1	0	4	40	-	60	100	Ms. Shazia Umar	
CS-1103	Physics – 1	3	1	0	4	40	-	60	100	Ms. Kavita Ambwani	
IC-1905	English language and Composition	3	1	0	4	40	-	60	100	Mr. Rahul Mahashabde	
CS-1201	Fundamentals of Programming and Problem Solving through C - 1	3	1	4	6	30	20	50	100	Mr. Chetan Awasthi	Mr. Chetan Awasthi
CS-1019	Basic Electricals and Electronics	3	1	2	5	30	20	50	100	Ms. Minal Nagar	Ms. Minal Nagar
CS-1905A	English Language Lab	-	-	2	1	50	50	-	100	Ms. Sunita Gaur	
CS-1809A	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					28	Total Marks →			700		

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

BCA 3rd 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-2111	Mathematics-III	3	1	0	4	40	-	60	100	Ms. Sonali Mandlik	
CS-3207	Object Oriented Programming through C++ I	3	1	2	5	30	20	50	100	Mr. Chetan Awasthi	Mr. Chetan Awasthi
CS-2021	Digital Electronics	3	1	2	5	30	20	50	100	Mr. Himanshu kamal Verma	Mr. Himanshu kamal Verma
CS-2222	Data Structure and Algorithms	3	1	2	5	30	20	50	100	Dr. Deepika Rai	Dr. Deepika Rai
IC-3913	Financial Accounting	3	1	0	4	40	-	60	100	Ms. Kratika Pahuja	
CS-2809A	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 – September 2020

BCA 3rd 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-2111	Mathematics-III	3	1	0	4	40	-	60	100	Dr. Deepika Rai	
CS-3207	Object Oriented Programming through C++ I	3	1	2	5	30	20	50	100	Dr. Shraddha Masih	Dr. Shraddha Masih
CS-2021	Digital Electronics	3	1	2	5	30	20	50	100	Mr. Pankaj Jagtap	Mr. Pankaj Jagtap
CS-2222	Data Structure and Algorithms	3	1	2	5	30	20	50	100	Mr. Himanshu kamal Verma	Mr. Himanshu kamal Verma
IC-3913	Financial Accounting	3	1	0	4	40	-	60	100	Dr. Ajay Chhabaria	
CS-2809A	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 – September 2020

BCA 5th 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-2302	System Analysis & Design	2	1	2	4	30	20	50	100	Mr. K.L Suryawanshi	Mr. K.L Suryawanshi
CS-3604	Data and Computer Communication	3	1	2	5	30	20	50	100	Mr. Sudhanshu Trivedi	Mr. Sudhanshu Trivedi
CS-2402	Introduction to DBMS (SQL& PLSQL)	3	1	2	5	30	20	50	100	Ms. Tarjani Sevak	Ms. Tarjani Sevak
CS-2023	Computer Organization and Hardware Maintenance	3	1	2	5	30	20	50	100	Ms. Sunita Gaur	Ms. Sunita Gaur
IC-2928	Principles and Practice of Management	3	1	0	4	40	-	60	100	Mr. Ravi Bunkar	
CS-3801A	Project (using database and web skills)	-	-	-	2	-	100	-	100		Mohit Kadwal
CS-2809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					29	Total Marks →			700		

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

BCA 5th 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-2302	System Analysis & Design	2	1	2	4	30	20	50	100	Ms. Sunita Gaur	Ms. Sunita Gaur
CS-3604	Data and Computer Communication	3	1	2	5	30	20	50	100	Mr. Sudhanshu Trivedi	Mr. Sudhanshu Trivedi
CS-2402	Introduction to DBMS (SQL& PLSQL)	3	1	2	5	30	20	50	100	Ms. Tarjani Sevak	Ms. Tarjani Sevak
CS-2023	Computer Organization and Hardware Maintenance	3	1	2	5	30	20	50	100	Mr. Pankaj Jagtap	Mr. Pankaj Jagtap
IC-2928	Principles and Practice of Management	3	1	0	4	40	-	60	100	Ms. Bhramjot Bagga	
CS-3801A	Project (using database and web skills)	-	-	-	2	-	100	-	100		Mohit Kadwal
CS-2809B	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					29	Total Marks →			700		

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

MCA 1st 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-4009	Computer Organization and Architecture	3	1	2	5	30	20	50	100	Dr. Sanjay Tanwani	Dr. Sanjay Tanwani
CS-4122	Mathematical Foundation for Computer Application	2	1	0	4	40	-	60	100	Dr. Maya Ingle / Dr. Deepika Rai	
CS-4209	Data Structures using C++	3	1	2	6	30	20	50	100	Ms. Chaitali Uikey	Ms. Chaitali Uikey
CS-5511	Operating Systems	3	1	2	5	30	20	50	100	Mr. Mohit Varma	Mr. Mohit Varma
IC-4916	Communication Skills and Report Writing	2	1	0	3	40	-	60	100	Mr. Rahul Mahashabde	
CS-4809A	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 – September 2020

MCA 1st 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-4009	Computer Organization and Architecture	3	1	2	5	30	20	50	100	Mr. Devesh K. Lal	Mr. Devesh K. Lal
CS-4122	Mathematical Foundation for Computer Application	2	1	0	4	40	-	60	100	Dr. Maya Ingle / Dr. Deepika Rai	
CS-4209	Data Structures using C++	3	1	2	6	30	20	50	100	Ms. Tarjani Sevak	Ms. Tarjani Sevak
CS-5511	Operating Systems	3	1	2	5	30	20	50	100	Dr. Ugrasen Suman	Dr. Ugrasen Suman
IC-4916	Communication Skills and Report Writing	2	1	0	3	40	-	60	100	Ms. Jyoti Jadhvani	
CS-4809A	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 – September 2020

MCA 3rd 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-4408	Database Application and Tools	3	1	4	6	30	20	50	100	Dr. Nitin Uikey	Dr. Nitin Uikey
CS-5613	Computer Networks	3	1	0	4	40	-	60	100	Ms. Chaitali Uikey	
CS-5123	Theory of Computation	3	1	0	4	40	-	60	100	Dr. Maya Ingle	
CS-4211	Object Oriented Programming using JAVA	3	1	4	6	30	20	50	100	Mr. Mohit Varma	Mr. Mohit Varma
IC-4917	Accounting and Financial Systems	2	1	0	3	40	-	60	100	Ms. Jyoti Jadhvani	
CS-5809A	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 – September 2020

MCA 5th 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-5216	Design and Analysis of Algorithms	3	1	2	5	30	20	50	100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-6623	Mobile and Wireless Systems	3	1	0	4	40	-	60	100	Dr. Preeti Saxena	
CS-4409	Enterprise Resource Planning	3	1	0	4	40	-	60	100	Dr. Archana Thakur	
CS-5512	Compiler Design	3	1	2	5	30	20	50	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
CS-5309	Object Oriented Analysis & Design	3	1	2	5	30	20	50	100	Dr. Ugrasen Suman	Dr. Ugrasen Suman
CS- 6809	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 – September 2020

M.Sc. (CS) 1st Semester/ M.Sc. (IT) 1st 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-4022	Computer Organization & Assembly Language Programming	3	1	2	5	30	20	50	100	Mr. Pankaj Jagtap	Mr. Pankaj Jagtap
CS-4205	Programming and Problem-Solving Using C	3	1	4	6	30	20	50	100	Mr. K L Suryawanshi	Mr. K L Suryawanshi
CS-5511	Operating Systems	3	1	2	5	30	20	50	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
CS-4116	Discrete Structures	3	1	0	4	40	-	60	100	Mr. Mohit Kadwal	
IC-4916	Communication Skills and Report Writing	2	1	0	3	40	-	60	100	Dr. Harshita Maheshwari	
CS- 4809 A	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 – September 2020

M.Sc. (CS) 3rd Semester/ M.Sc. (IT) 3rd 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-5613	Computer Networks	3	1	0	4	40	-	60	100	Dr. Ajay Tiwari	
CS-5713	Data Analytics using R	3	1	4	6	30	20	50	100	Dr. Deepak Abhyankar	
CS-5123	Theory of Computation	3	1	0	4	40	-	60	100	Ms. Chaitali Uikey	
CS-4211	Object Oriented Programming using JAVA	3	1	4	6	30	20	50	100	Mr. Chetan Awasthi	
CS-4508	Computer Graphics and Multimedia	3	1	2	5	30	20	50	100	Dr. Archana Thakur	
CS-5809A	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 – September 2020

MBA (CM) 1st 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-4022	Computer Organization & Assembly Language Programming	3	1	2	5	30	20	50	100	Mr. Pankaj Jagtap	Mr. Pankaj Jagtap
CS-4205	Programming and Problem-Solving Using C	3	1	4	6	30	20	50	100	Mr. K L Suryawanshi	Mr. K L Suryawanshi
CS-5511	Operating Systems	3	1	2	5	30	20	50	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
CS-4121	Mathematical Foundation of Computer Science	3	1	0	4	40	-	60	100	Ms. Krati Sharma	
IC-4916	Communication Skills and Report Writing	2	1	0	3	40	-	60	100	Dr. Harshita Maheshwari	
CS-4809 A	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 – September 2020

MBA (CM) 3rd 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-5416	IT Infrastructure Management	3	1	0	4	40	-	60	100	Mr. Anand More	
CS-6518	Cloud Computing	3	1	2	5	30	20	50	100	Dr. Nitin Uikey	Dr. Nitin Uikey
CS-5620	Web Technology and E-Commerce	3	1	2	5	30	20	50	100	Mr. Mohit Varma	Mr. Mohit Varma
CS-4411	Introduction to Enterprise Resource Planning	3	1	2	5	30	20	50	100	Mr Satbeer Singh Bhatia	Mr Satbeer Singh Bhatia
CS-4211	Object Oriented Programming using JAVA	3	1	4	6	30	20	50	100	Dr. Ajay Tiwari	Dr. Ajay Tiwari
CS-5809A	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 – September 2020

MTEch (CS) 1st 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-5010	Advanced Computer Architecture	3	1	2	5	30	20	50	100	Dr. Deepak Abhyankar	Dr. Deepak Abhyankar
CS-6220	Internet Programming Using Java	3	1	4	6	30	20	50	100	Ms. Krati Sharma	Ms. Krati sharma
CS-6516	Advanced Operating Systems	3	1	4	6	30	20	50	100	Dr. Priyesh Kanungo	Dr. Priyesh Kanungo
CS-5413	Data Mining and Warehousing	3	1	4	6	30	20	50	100	Dr. Shradha Masih	Dr. Shradha Masih
CS-6221	Advanced Algorithm Design	3	1	4	6	30	20	50	100	Dr. Sanjay Tanwani	Dr. Sanjay Tanwani
CS-6809A	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					33	Total Marks →			600		

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

MTech (NM & IS) 1st 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-6624	Network Management	3	1	4	6	30	20	50	100	Dr. Preeti Saxena	Dr. Preeti Saxena
CS-6220	Internet Programming Using Java	3	1	4	6	30	20	50	100	Ms. Krati Sharma	Ms. Krati Sharma
CS-6516	Advanced Operating Systems	3	1	4	6	30	20	50	100	Dr. Priyesh Kanungo	Dr. Priyesh Kanungo
CS-5615	Information Security	3	1	4	6	30	20	50	100	Mr. Hitesh Ninama	Mr. Hitesh Ninama
CS-6622	Advanced Computer Network	3	1	4	6	30	20	50	100	Mr. Jitendra Gora	Mr. Jitendra Gora
CS-6809A	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					34	Total Marks →			600		

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

MTech (SE & IA) 1st 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-7314	Information Architecture	3	1	2	5	30	20	50	100		
CS-6220	Internet Programming Using Java	3	1	4	6	30	20	50	100		
CS-6315	Advanced Software Engineering	3	1	4	6	30	20	50	100		
CS-6316	Information System Design	3	1	2	5	30	20	50	100		
	Elective-I*	3	1	4	6	30	20	50	100		
CS-6809A	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 – September 2020

***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-6516	Advanced Operating Systems	3	1	4	6	30	20	50	100	Dr. Priyesh Kanungo	Dr. Priyesh Kanungo
CS-5413	Data Mining and Warehousing	3	1	4	6	30	20	50	100	Dr. Shradha Masih	Dr. Shradha Masih
CS-6221	Advanced Algorithm Design	3	1	4	6	30	20	50	100	Dr. Sanjay Tanwani	Dr. Sanjay Tanwani

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

School of Computer Science & IT, DAVV

Course Scheme – September 2020

MTech (CS / NM & IS / SE & IA) 3rd 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-6807A	M.Tech. Project Phase - I				12				100	Internal guide
Total Credit →					12	Total Marks* →			100	

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

Topic	Evaluator	Marks
<ul style="list-style-type: none"> • Literature Review/Requirement Gathering • Design/ Problem Formulation 	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 – September 2020

MTech (Computer Science) Executive 1st 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	0	4	40	-	60	100	Dr. Ruchi Patel	
CS-6221	Advanced Algorithm Design	3	1	0	4	40	-	60	100	Mr. Sunny Bagga	
CS-6809A	Comprehensive Viva	-	-	-	4	-	-	-	100		
Total Credit →					12	Total Marks →			300		

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