



RKDF UNIVERSITY, BHOPAL

New Scheme of Examination as per AICTE Flexible Curricula

W.E.F. JULY 2025

Subject wise distribution of marks

B.Tech III Semester (Computer Science and Engineering)

S. No.	Subject Code	Category	Subject Name	Theory Slot						Practical Slot						Total Marks	Contact Hrs per week			
				Theory		Practical		Quiz Assignment		Practical		Lab Work		Lab Quiz			L	T	P	Total Credits
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min					
1	CS-3011	BSC-5	Engineering Mathematics-III	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1	-	4
2	CS-3021	PCC-1	Data Structure and Algorithms	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
3	CS-3031	PCC-2	Computer Organization & Architecture	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1	-	4
4	CS-3041	PCC-3	Digital Circuit and System	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
5	CS-3051	HSMC-3	Value Education	70	25	20	10	10	5	30	15	10	5	10	5	150	4	-	2	6
6	CS-3061	LC-1	Software Lab-I (C++)	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
7	BE-2071	IN-2	Evaluation of Internship completed at I year level	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
			Total	350	-	100	-	50	-	150	-	50	-	50	-	750	16	4	10	30

1 hour lecture = 1 Credit, 1 hour tutorials = 1 Credit, 1 hour practical = 1 Credit



RKDF UNIVERSITY, BHOPAL

New Scheme of Examination as per AICTE Flexible Curricula

W.E.F. JULY 2025

Subject wise distribution of marks

B.Tech. IV Semester (Computer Science and Engineering)

S. No.	Subject Code	Category	Subject Name	Theory Slot						Practical Slot						Total Marks	Contact Hrs per week			
				Theory		Practical		Quiz Assignment		Practical		Lab Work		Lab Quiz			L	T	P	Total Credits
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min					
1	CS-4011	ESC-7	Environmental Engineering	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
2	CS-4021	PCC-4	Database Management System	70	25	20	10	10	5	30	15	10	5	10	5	150	4	-	2	6
3	CS-4031	PCC-5	Software Engineering	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
4	CS-4041	PCC-6	Design and Analysis of Algorithms	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
5	CS-4051	PCC-7	Computer Networks	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
6	CS-4061	LC-2	Software Lab-II (JAVA)	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
7	BE-4071	IN-3	Internship-2 (90 Hrs Duration) at the Institute level	TO BE COMPLETED DURING IV SEMESTER, ITS EVALUATION / CREDIT WILL BE ADDED IN V SEMESTER																
			Total	350	-	100	-	50	-	150	-	50	-	50	-	750	16	4	10	30

1 hour lecture = 1 Credit, 1 hour tutorials = 1 Credit, 1 hour practical = 1 Credit



RKDF UNIVERSITY, BHOPAL

New Scheme of Examination as per AICTE Flexible Curricula

W.E.F. JULY 2025

Subject wise distribution of marks

B.Tech. V Semester (Computer Science and Engineering)

S. No.	Subject Code	Category	Subject Name	Theory Slot						Practical Slot						Total Marks	Contact Hrs per week			
				Theory		Practical		Quiz Assignment		Practical		Lab Work		Lab Quiz			L	T	P	Total Credits
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min					
1	CS-5011	PCC-8	Operating Systems	70	25	20	10	10	5	30	15	10	5	10	5	150	4	-	2	6
2	CS-5021	PCC-9	Object Oriented Programming	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
3	CS-5031	PEC-1	Departmental Elective -1	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
4	CS-5041	OEC-1	Open Elective -1	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
5	CS-5051	LC-3	Lab (Linux)	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
6	CS-5061	LC-4	Lab (Python)	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
7	BE-4071	IN-3	Evaluation of Internship- II	-	-	-	-	-	-	-	-	100	50	-	-	100	-	-	4	4
8	CS-5071	PROJ-1	Minor Project- I	-	-	-	-	-	-	-	-	50	25	-	-	50	-	-	2	2
			Total	280	-	80	-	40	-	120	-	190	-	40		750	15	1	14	30

1 hour lecture = 1 Credit, 1 hour tutorials = 1 Credit, 1 hour practical = 1 Credit

Departmental Elective	Open Elective
CS-5031 (A) Discrete Structure	CS-5041 (A) Theory of Computation
CS-5031 (B) Cyber Security	CS-5041 (B) Internet and Web Technology
CS-5031 (C) Data Analytics	CS-5041 (C) Introduction to DBMS
CS-5031 (D) Code as per SWAYAM/NPTEL –MOOC-1	CS-5041 (D) Code as per SWAYAM/NPTEL –MOOC-2



RKDF UNIVERSITY, BHOPAL

New Scheme of Examination as per AICTE Flexible Curricula

W.E.F. JULY 2025

Subject wise distribution of marks

B.Tech. VI Semester (Computer Science and Engineering)

S. No.	Subject Code	Category	Subject Name	Theory Slot						Practical Slot						Total Marks	Contact Hrs per week			
				Theory		Practical		Quiz Assignment		Practical		Lab Work		Lab Quiz			L	T	P	Total Credits
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min					
1	CS-6011	PCC-10	Machine Learning	70	25	20	10	10	5	30	15	10	5	10	5	150	4	-	2	6
2	CS-6021	PCC-11	Compiler Design	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
3	CS-6031	PEC-2	Departmental Elective -2	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
4	CS-6041	OEC-2	Open Elective -2	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
5	CS-6051	LC-5	Lab (Data Analytics)	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
6	CS-6061	LC-6	Lab (Skill Development)	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
7	BE-6071	IN-4	Internship- III	TO BE COMPLETED ANYTIME DURING FIFTH/SIXTH SEMESTER. ITS EVALUATION/CREDITS WILL BE ADDED IN SEVENTH SEMESTER																
8	CS-6081	PROJ-2	Minor Project- II	-	-	-	-	-	-	-	-	50	25	-	-	50	-	-	2	2
			Total	280	-	80	-	40	-	120	-	190	-	40		650	15	1	10	26

1 hour lecture = 1 Credit, 1 hour tutorials = 1 Credit, 1 hour practical = 1 Credit

Departmental Electives	Open Electives
CS-6031 (A) Artificial Intelligence	CS-6041 (A) Pattern Recognition
CS-6031 (B) Computer Graphics and Multimedia	CS-6041 (B) Internet of Things
CS-6031 (C) Advance Computer Architecture	CS-6041 (C) Wireless and Mobile Computing
CS-6031 (D) Code as per SWAYAM/NPTEL –MOOC-III	CS-6041 (D) Code as per SWAYAM/NPTEL –MOOC-IV



RKDF UNIVERSITY, BHOPAL

New Scheme of Examination as per AICTE Flexible Curricula

W.E.F. JULY 2025

Subject wise distribution of marks

B.Tech. VII Semester (Computer Science and Engineering)

S. No.	Subject Code	Category	Subject Name	Theory Slot						Practical Slot						Total Marks	Contact Hrs per week			
				Theory		Practical		Quiz Assignment		Practical		Lab Work		Lab Quiz			L	T	P	Total Credits
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min					
1	CS-7011	PCC-12	Data Mining and Warehousing	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
2	CS-7021	PEC-3	Departmental Elective- III	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1	-	4
3	CS-7031	OEC-3	Open Elective- III	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
4	CS-7041	LC-7	Departmental Elective Lab	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
5	CS-7051	LC-8	Open Elective Lab	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
6	CS-7061	PROJ-3	Major Project- I	-	-	-	-	-	-	80	40	10	5	10	5	100	-	-	4	4
8	CS-6071	IN-4	Evaluation of Internship-III	-	-	-	-	-	-	-	-	50	25	-	-	50	-	-	4	4
			Total	210	-	60	-	30	-	170	-	90	-	90		650	10	2	14	26

1 hour lecture = 1 Credit, 1 hour tutorials = 1 Credit, 1 hour practical = 1 Credit

Departmental Electives	Open Electives
CS-7021(A) Computational Intelligence	CS-7031(A) Cryptography and Information Security
CS-7021(B) Deep and Reinforcement Learning	CS-7031(B) Software Architecture
CS-7021(C) Big Data	CS-7031(C) Disaster Management
CS-7021(D) Code as per SWAYAM/NPTEL –MOOC-V	CS-7031(D) Code as per SWAYAM/NPTEL –MOOC-VI



RKDF UNIVERSITY, BHOPAL

New Scheme of Examination as per AICTE Flexible Curricula

W.E.F. JULY 2025

Subject wise distribution of marks

B.Tech. VIII Semester (Computer Science and Engineering)

S. No.	Subject Code	Category	Subject Name	Theory Slot						Practical Slot						Total Marks	Contact Hrs per week			
				Theory		Practical		Quiz Assignment		Practical		Lab Work		Lab Quiz			L	T	P	Total Credits
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min					
1	CS-8011	PCC-13	Cloud Computing	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
2	Cs-8021	PEC-4	Departmental Elective- IV	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1	-	4
3	CS-8031	OEC-4	Open Elective- IV	70	25	20	10	10	5	-	-	-	-	-	-	100	4	-	-	4
4	CS-8041	LC-9	Departmental Elective Lab	-	-	-	-	-	-	30	15	10	5	10	5	50	-	-	2	2
6	CS-8051	PROJ-4	Major Project- II	-	-	-	-	-	-	120	60	40	20	40	20	200	-	-	8	8
			Total	210	-	60	-	30	-	180	-	60	-	60		600	10	2	12	24

1 hour lecture = 1 Credit, 1 hour tutorials = 1 Credit, 1 hour practical = 1 Credit

Departmental Electives	Open Electives
CS-8021(A) High Performance Computing	CS-8031(A) Image Processing and Computer Vision
CS-8021(B) Block Chain Technologies	CS-8031(B) Game Theory with Engineering Applications
CS-8021(C) Object oriented Software Engineering	CS-8031(C) Mobile Application and Development
CS-8021(D) Code as per SWAYAM/NPTEL –MOOC-VII	CS-8031(D) Code as per SWAYAM/NPTEL –MOOC-VIII