

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Information Technology



Rajasthan Technical University, Kota
Effective from session: 2022 – 2023



Teaching & Examination Scheme B.Tech. : Information Technology 3rd Year – V Semester

THEORY												
SN	Category	Course		Contact hrs/week			Marks				Cr	
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total		
1	ESC	5IT3-01	Microprocessor And Interfaces	2	0	0	3	30	70	100	2	
2	PCC/ PEC	5IT4-02	Compiler Design	3	0	0	3	30	70	100	3	
3		5IT4-03	Operating System	3	0	0	3	30	70	100	3	
4		5IT4-04	Computer Graphics & Multimedia	3	0	0	3	30	70	100	3	
6		5IT4-05	Analysis of Algorithms	3	0	0	3	30	70	100	3	
7		Professional Elective 1 (any one)		2	0	0	3	30	70	100	2	
		5IT5-11	Wireless Communication									
		5IT5-12	Software Testing and Project Management									
		5IT5-13	Bioinformatics									
Sub-Total				16	0	0					16	
PRACTICAL & SESSIONAL												
8	PCC	5IT4-21	Computer Graphics & Multimedia Lab	0	0	2	2	60	40	100	1	
9	PCC	5IT4-22	Compiler Design Lab	0	0	2	2	60	40	100	1	
10	PCC	5IT4-23	Analysis of Algorithms Lab	0	0	2	2	60	40	100	1	
11	PCC	5IT4-24	Advanced Java Lab	0	0	2	2	60	40	100	1	
12	PSIT	5IT7-30	Industrial Training	0	0	1		60	40	100	2.5	
13	SODE CA	5IT8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5	
Sub- Total				0	0	9					7	
TOTAL OF V SEMESTER				16	0	9					23	

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment*



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Information Technology 3rd Year – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6IT3-01	Digital Image Processing	2	0	0	3	30	70	100	2
2	PCC /PEC	6IT4-02	Machine Learning	3	0	0	3	30	70	100	3
3		6IT4-03	Information Security System	2	0	0	3	30	70	100	2
4		6IT4-04	Computer Architecture and Organization	3	0	0	3	30	70	100	3
5		6IT4-05	Artificial Intelligence	2	0	0	3	30	70	100	2
6		6IT4-06	Distributed System	3	0	0	3	30	70	100	3
7		Professional Elective 1 (Any one)		2	0	0	3	30	70	100	2
		6IT5-11	Information Theory & Coding								
		6IT5-12	Cloud Computing								
	6IT5-13	Ecommerce & ERP									
		Sub Total		17	0	0					17
PRACTICAL & SESSIONAL											
8	PCC	6IT4-21	Digital Image Processing Lab	0	0	3	2	60	40	100	1.5
9		6IT4-22	Machine Learning Lab	0	0	3	2	60	40	100	1.5
10		6IT4-23	Python Lab	0	0	3	2	60	40	100	1.5
11		6IT4-24	Mobile Application Development Lab	0	0	3	2	60	40	100	1.5
12	SODE CA	6IT8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
		Sub- Total		0	0	12					6.5
		TOTAL OF VI SEMESTER		17	0	12					23.5

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Office of Dean Academic Affairs
Rajasthan Technical University, Kota