

Scheme of  
UNDERGRADUATE DEGREE COURSE

**B.Tech. V & VI Semester**

Information Technology



Rajasthan Technical University, Kota

Effective from session: 2019 – 2020



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Information Technology 3<sup>rd</sup> 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	2	20	80	100	2	
2	PCC/ PEC	5IT4-02	Compiler Design	3	0	0	3	30	120	150	3	
3		5IT4-03	Operating System	3	0	0	3	30	120	150	3	
4		5IT4-04	Computer Graphics & Multimedia	3	0	0	3	30	120	150	3	
6		5IT4-05	Analysis of Algorithms	3	0	0	3	30	120	150	3	
7		Professional Elective 1 (any one)		2	0	0	2	20	80	100	2	
		5IT5-11	Wireless Communication									
		5IT5-12	Software Testing and Project Management									
	5IT5-13	Bioinformatics										
		5IT5-14	Understanding the Human Being Comprehensively- Human Aspirations and Its Fulfillment									
<b>Sub-Total</b>				<b>16</b>	<b>0</b>	<b>0</b>		<b>160</b>	<b>640</b>	<b>800</b>	<b>16</b>	
PRACTICAL & SESSIONAL												
8	PCC	5IT4-21	Computer Graphics & Multimedia Lab	0	0	2	2	30	20	50	1	
9	PCC	5IT4-22	Compiler Design Lab	0	0	2	2	30	20	50	1	
10	PCC	5IT4-23	Analysis of Algorithms Lab	0	0	2	2	30	20	50	1	
11	PCC	5IT4-24	Advanced Java Lab	0	0	2	2	30	20	50	1	
12	PSIT	5IT7-30	Industrial Training	0	0	1		75	50	125	2.5	
13	SODE CA	5IT8-00	Social Outreach, Discipline & Extra Curricular Activities						25	25	0.5	
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>9</b>		<b>195</b>	<b>155</b>	<b>350</b>	<b>7</b>	
<b>TOTAL OF V SEMESTER</b>				<b>16</b>	<b>0</b>	<b>9</b>		<b>355</b>	<b>795</b>	<b>1150</b>	<b>23</b>	

*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 3<sup>rd</sup> 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	2	20	80	100	2
2	PCC /PEC	6IT4-02	Machine Learning	3	0	0	3	30	120	150	3
3		6IT4-03	Information Security System	2	0	0	2	20	80	100	2
4		6IT4-04	Computer Architecture and Organization	3	0	0	3	30	120	150	3
5		6IT4-05	Artificial Intelligence	2	0	0	2	20	80	100	2
6		6IT4-06	Distributed System	3	0	0	3	30	120	150	3
7		Professional Elective1 (Any one)		2	0	0	2	20	80	100	2
		6IT5-11	Information Theory & Coding								
		6IT5-12	Cloud Computing								
		6IT5-13	Ecommerce & ERP								
		6IT5-14	Values, Relationship & Ethical Human Conduct- For Happy & Harmonious Society								
<b>Sub Total</b>				<b>17</b>	<b>0</b>	<b>0</b>		<b>170</b>	<b>680</b>	<b>850</b>	<b>17</b>
PRACTICAL & SESSIONAL											
8	PCC	6IT4-21	Digital Image Processing Lab	0	0	3	2	45	30	75	1.5
9		6IT4-22	Machine Learning Lab	0	0	3	2	45	30	75	1.5
10		6IT4-23	Python Lab	0	0	3	2	45	30	75	1.5
11		6IT4-24	Mobile Application Development Lab	0	0	3	2	45	30	75	1.5
12	SODE CA	6IT8-00	Social Outreach, Discipline & Extra Curricular Activities						25	25	0.5
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>12</b>		<b>180</b>	<b>145</b>	<b>325</b>	<b>6.5</b>
<b>TOTAL OF VI SEMESTER</b>				<b>17</b>	<b>0</b>	<b>12</b>		<b>350</b>	<b>825</b>	<b>1175</b>	<b>23.5</b>

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Office of Dean Academic Affairs  
Rajasthan Technical University, Kota