

Scheme of  
UNDERGRADUATE DEGREE COURSE

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

**Computer Science and Engineering**



**Rajasthan Technical University, Kota**  
Effective from session: 2019 – 2020



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Computer Science & Engineering 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	5CS3-01	Information Theory & Coding	2	0	0	2	20	80	100	2
2		5CS4-02	Compiler Design	3	0	0	3	30	120	150	3
3		5CS4-03	Operating System	3	0	0	3	30	120	150	3
4		5CS4-04	Computer Graphics & Multimedia	3	0	0	3	30	120	150	3
6		5CS4-05	Analysis of Algorithms	3	0	0	3	30	120	150	3
7		PCC/PEC	Professional Elective 1: (any one)		2	0	0	2	20	80	100
		5CS5-11	Wireless Communication								
		5CS5-12	Human-Computer Interaction								
		5CS5-13	Bioinformatics								
		<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	5CS4-21	Computer Graphics & Multimedia Lab	0	0	2	2	30	20	50	1
9		5CS4-22	Compiler Design Lab	0	0	2	2	30	20	50	1
10		5CS4-23	Analysis of Algorithms Lab	0	0	2	2	30	20	50	1
11		5CS4-24	Advance Java Lab	0	0	2	2	30	20	50	1
12	PSIT	5CS7-30	Industrial Training	0	0	1		75	50	125	2.5
13	SODE CA	5CS8-00	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

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Computer Science & Engineering 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	6CS3-01	Digital Image Processing	2	0	0	2	20	80	<b>100</b>	<b>2</b>
2	PCC/ PEC	6CS4-02	Machine Learning	3	0	0	3	30	120	<b>150</b>	<b>3</b>
3		6CS4-03	Information Security System	2	0	0	2	20	80	<b>100</b>	<b>2</b>
4		6CS4-04	Computer Architecture and Organization	3	0	0	3	30	120	<b>150</b>	<b>3</b>
5		6CS4-05	Artificial Intelligence	2	0	0	2	20	80	<b>100</b>	<b>2</b>
6		6CS4-06	Cloud Computing	3	0	0	3	30	120	<b>150</b>	<b>3</b>
7		Professional Elective 1 (any one)		2	0	0	2	20	80	<b>100</b>	<b>2</b>
			6CS5-11	Distributed System							
		6CS5-12	Software Defined Network								
		6CS5-13	Ecommerce and ERP								
		<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	6CS4-21	Digital Image Processing Lab	0	0	3	2	45	30	<b>75</b>	<b>1.5</b>
9		6CS4-22	Machine Learning Lab	0	0	3	2	45	30	<b>75</b>	<b>1.5</b>
10		6CS4-23	Python Lab	0	0	3	2	45	30	<b>75</b>	<b>1.5</b>
11		6CS4-24	Mobile Application Development Lab	0	0	3	2	45	30	<b>75</b>	<b>1.5</b>
12	SODE CA	6CS8-00	Social Outreach, Discipline & Extra Curricular Activities						25	<b>25</b>	<b>0.5</b>
		<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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