

Scheme of  
UNDERGRADUATE DEGREE COURSE

Artificial Intelligence and Data Science



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



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech.: Artificial Intelligence and Data Science 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	PCC	5AID3-01	Data Mining-Concepts and Techniques	2	0	0	3	30	70	100	2
2	PCC	5AID4-02	Compiler Design	3	0	0	3	30	70	100	3
3		5AID4-03	Operating System	3	0	0	3	30	70	100	3
4		5AID4-04	Computer Graphics & Multimedia	3	0	0	3	30	70	100	3
5		5AID4-05	Analysis of Algorithm	3	0	0	3	30	70	100	3
6				Professional Elective (Any One)							
7	PEC	5AID5-11	Fundamentals of Blockchain								
8		5AID5-12	Probability & Statistics for Data Science	2	0	0	3	30	70	100	2
9		5AID5-13	Programming for Data Sciences								
			<b>Sub Total</b>	<b>16</b>	<b>0</b>	<b>0</b>					<b>16</b>
PRACTICAL & SESSIONAL											
10	PCC	5AID4-21	Computer Graphics & Multimedia Lab	0	0	2	2	60	40	100	1
11		5AID4-22	Compiler Design Lab	0	0	2	2	60	40	100	1
12		5AID4-23	Analysis of Algorithm Lab	0	0	2	2	60	40	100	1
13		5AID4-24	Advanced Java Lab	0	0	2	2	60	40	100	1
14	PSIT	5AID7-30	Industrial Training	0	0	1		60	40	100	2.5
15	SODE CA	5AID8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
			<b>Sub Total</b>	<b>0</b>	<b>0</b>	<b>9</b>					<b>7</b>
			<b>TOTAL OF V SEMESTER</b>	<b>16</b>	<b>0</b>	<b>9</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.: Artificial Intelligence and Data Science 3<sup>rd</sup> Year - VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exam Hrs	IA	ETE	Total	
1	ESC	6AID3-01	Digital Image Processing	2	0	0	3	30	70	100	2
2	PCC	6AID4-02	Machine Learning	3	0	0	3	30	70	100	3
3		6AID4-03	Information Security Systems	2	0	0	3	30	70	100	2
4		6AID4-04	Computer Architecture and Organization	3	0	0	3	30	70	100	3
5		6AID4-05	Principals of Artificial Intelligence	2	0	0	3	30	70	100	2
6		6AID4-06	Cloud Computing	3	0	0	3	30	70	100	3
7	PEC	6AID5-11	Artificial Neural Network	2	0	0	3	30	70	100	2
8		6AID5-12	Natural Language Processing (NLP)								
9		6AID5-13	Nature Inspired Computing								
			<b>Sub Total</b>	<b>17</b>	<b>0</b>	<b>0</b>					<b>17</b>
PRACTICAL & SESSIONAL											
8	PCC	6AID4-21	Digital Image Processing Lab	0	0	3	2	60	40	100	1.5
9		6AID4-22	Machine Learning Lab	0	0	3	2	60	40	100	1.5
10		6AID4-23	Python Lab	0	0	3	2	60	40	100	1.5
11		6AID4-24	Mobile Application Development Lab	0	0	3	2	60	40	100	1.5
12	SODE CA	6AID8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
			<b>Sub- Total</b>	<b>0</b>	<b>0</b>	<b>12</b>					<b>6.5</b>
			<b>TOTAL OF III SEMESTER</b>	<b>17</b>	<b>0</b>	<b>12</b>					<b>23.5</b>

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