

# BIKANER TECHNICAL UNIVERSITY, BIKANER



**SCHEME**

**B. TECH.**

**DATA SCIENCE**

**Effective From Session: 2020-21**

**Teaching & Examination Scheme**  
**B. Tech.: Data Science**  
**2<sup>nd</sup> Year - III Semester**

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exam Hrs	IA	ETE	Total	
1	BSC	3DS2-01	Linear Algebra	3	0	0	3	30	120	150	3
2	HSMC	3DS1-02/ 3DS1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3DS3-04	Digital Electronics	3	0	0	3	30	120	150	3
4	PCC	3DS4-05	Data Structures and Algorithms	3	0	0	3	30	120	150	3
5		3DS4-06	Introduction to Data Science	3	0	0	3	30	120	150	3
6		3DS4-07	Object Oriented Programming in Java	3	0	0	3	30	120	150	3
<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											
7	PCC  ESC	3DS4-21	Data Structures and Algorithms Lab	0	0	3		45	30	75	1.5
8		3DS4-22	Data Science Lab	0	0	3		45	30	75	1.5
9		3DS4-23	Object Oriented programming in Java Lab	0	0	3		45	30	75	1.5
10		3DS4-24	Digital Electronics Lab	0	0	3		45	30	75	1.5
11	PSIT	3DS7-30	Industrial Training	0	0	1		0	0	50	1
12	SODE CA	3DS8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>13</b>		<b>180</b>	<b>120</b>	<b>375</b>	<b>7.5</b>
<b>TOTAL OF III SEMESTER</b>				<b>17</b>	<b>0</b>	<b>13</b>		<b>350</b>	<b>800</b>	<b>1225</b>	<b>24.5</b>

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

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

**Teaching & Examination Scheme**  
**B. Tech.: Data Science**  
**2<sup>nd</sup> Year - IV Semester**

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exam Hrs	IA	ETE	Total	
1	BSC	4DS2-01	Discrete Mathematics Structure	3	0	0	3	30	120	<b>150</b>	3
2	HSMC	4DS1-03/ 4DS1-02	Managerial Economics and Financial Accounting /Technical Communication	2	0	0	2	20	80	<b>100</b>	2
3	ESC	4DS2-04	Statistics for Data Science	3	0	0	3	30	120	<b>150</b>	3
4	PCC	4DS4-05	Database Management System	3	0	0	3	30	120	<b>150</b>	3
5		4DS4-06	Concepts in Artificial Intelligence	3	0	0	3	30	120	<b>150</b>	3
6		4DS4-07	Computer Architecture	3	0	0	3	30	120	<b>150</b>	3
<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											
7	PCC	4DS4-21	Python Programming Lab	0	0	3		45	30	<b>75</b>	1.5
8		4DS4-22	Database Management System Lab	0	0	3		45	30	<b>75</b>	1.5
9		4DS4-23	Artificial Intelligence Lab	0	0	3		45	30	<b>75</b>	1.5
10	ESC	4DS2-21	Statistics for Data Science Lab	0	0	3		45	30	<b>75</b>	1.5
11	SODE CA	4DS8-00	Social Outreach, Discipline & Extra Curricular Activities							<b>25</b>	0.5
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>12</b>		<b>180</b>	<b>120</b>	<b>325</b>	<b>6.5</b>
<b>TOTAL OF IV SEMEESTER</b>				<b>17</b>	<b>0</b>	<b>12</b>		<b>350</b>	<b>800</b>	<b>1175</b>	<b>23.5</b>

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