

# BIKANER TECHNICAL UNIVERSITY, BIKANER



## SCHEME OF B. TECH.

**COMPUTER SCIENCE ENGINEERING  
(Artificial Intelligence & Machine Learning)**

**Effective From Session: 2020-21**

**Teaching & Examination Scheme**  
**B. Tech.: CSE(Artificial Intelligence & Machine Learning)**  
**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	3AIML2-01	Advanced Engineering Mathematics	3	0	0	3	30	120	150	3
2	HSMC	3AIML1-02/ 3AIML1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3AIML3-04	Digital Electronics	3	0	0	3	30	120	150	3
4	PCC	3AIML4-05	Data Structures and Algorithms	3	0	0	3	30	120	150	3
5		3AIML4-06	Concepts in Artificial Intelligence	3	0	0	3	30	120	150	3
6		3AIML4-07	Object Oriented Programming	3	0	0	3	30	120	150	3
<b>SubTotal</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	3AIML4-21	Data Structures and Algorithms Lab	0	0	3		45	30	75	1.5
8		3AIML4-22	Object Oriented Programming Lab	0	0	3		45	30	75	1.5
9		ESC	3AIML4-23	Artificial Intelligence Lab	0	0	3		45	30	75
10	3AIML4-24		Digital Electronics Lab	0	0	3		45	30	75	1.5
11	PSIT	3AIML7-30	Industrial Training	0	0	1		0	0	50	1
12	ANAND AM	3AIML8-00	ANANDAM							100	2
<b>Sub-Total</b>				<b>0</b>	<b>0</b>	<b>13</b>		<b>180</b>	<b>120</b>	<b>450</b>	<b>9</b>
<b>TOTAL OF III SEMESTER</b>				<b>17</b>	<b>0</b>	<b>13</b>		<b>350</b>	<b>800</b>	<b>1300</b>	<b>26</b>

L:Lecture, T:Tutorial, P:Practical, Cr:Credits ETE:End

Term Exam, IA:Internal Assessment

**Teaching & Examination Scheme**  
**B. Tech.: CSE ( Artificial Intelligence & Machine Learning )**  
**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	4AIML2-01	Discrete Mathematics Structure	3	0	0	3	30	120	<b>150</b>	3
2	HSMC	4AIML1-03/ 4AIML1-02	Managerial Economics and Financial Accounting /Technical Communication	2	0	0	2	20	80	<b>100</b>	2
3	ESC	4AIML2-04	Introduction to Machine Learning	3	0	0	3	30	120	<b>150</b>	3
4	PCC	4AIML4-05	Database Management System	3	0	0	3	30	120	<b>150</b>	3
5		4AIML4-06	Theory of Computation	3	0	0	3	30	120	<b>150</b>	3
6		4AIML4-07	Human Information Processing and Artificial Intelligence	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	4AIML4-21	Python Programming Lab	0	0	3		45	30	<b>75</b>	1.5
8		4AIML4-22	Database Management System Lab	0	0	3		45	30	<b>75</b>	1.5
9		4AIML4-23	Linux & Shell Programming Lab	0	0	3		45	30	<b>75</b>	1.5
10	ESC	4AIML4-24	Machine Learning Lab	0	0	3		45	30	<b>75</b>	1.5
11	ANANDAM	4AIML8-00	ANANDAM							<b>100</b>	2
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>12</b>		<b>180</b>	<b>120</b>	<b>400</b>	<b>8</b>
<b>TOTAL OF IVSEMEESTER</b>				<b>17</b>	<b>0</b>	<b>12</b>		<b>350</b>	<b>800</b>	<b>1250</b>	<b>25</b>

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

Term Exam, **IA:** Internal Assessment