

BIKANER TECHNICAL UNIVERSITY, BIKANER



SCHEME AND SYLLABUS

B. TECH.

MACHINE LEARNING AND COMPUTING

Teaching & Examination Scheme
B. Tech.: Machine Learning and Computing
2nd Year - III Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exam Hrs	IA	ETE	Total	
1	BSC	3ML2-01	Probability theory for Computer Scientists	3	0	0	3	30	120	150	3
2	HSMC	3ML1-02/ 3ML1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3ML3-04	Digital Electronics	3	0	0	3	30	120	150	3
4	PCC	3ML4-05	Data Structures and Algorithms	3	0	0	3	30	120	150	3
5		3ML4-06	Concepts in Artificial Intelligence	3	0	0	3	30	120	150	3
6		3ML4-07	Object Oriented Programming in Java	3	0	0	3	30	120	150	3
Sub Total				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	3ML4-21	Data Structures and Algorithms Lab	0	0	3		45	30	75	1.5
8		3ML4-22	Prolog Lab	0	0	3		45	30	75	1.5
9		3ML4-23	Object Oriented Programming Lab in Java	0	0	3		45	30	75	1.5
10	ESC	3ML4-24	Digital Electronics Lab	0	0	3		45	30	75	1.5
11	PSIT	3CS7-30	Industrial Training	0	0	1		0	0	50	1
12	SODE CA	3ML8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
Sub- Total				0	0	13		180	120	375	7.5
TOTAL OF III SEMESTER				17	0	13		350	800	1225	24.5

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

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

Teaching & Examination Scheme
B. Tech.: Machine Learning and Computing
2nd Year - IV Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exam Hrs	IA	ETE	Total	
1	BSC	4ML2-01	Discrete Mathematics Structure	3	0	0	3	30	120	150	3
2	HSMC	4ML1-03/ 4ML1-02	Managerial Economics and Financial Accounting /Technical Communication	2	0	0	2	20	80	100	2
3	ESC	4ML2-04	Stochastic Calculus	3	0	0	3	30	120	150	3
4	PCC	4ML4-05	Database Management System	3	0	0	3	30	120	150	3
5		4ML4-06	Introduction to Machine Learning	3	0	0	3	30	120	150	3
6		4ML4-07	Computer Architecture	3	0	0	3	30	120	150	3
Sub Total				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	4ML4-21	Python Programming Lab	0	0	3		45	30	75	1.5
8		4ML4-22	Database Management System Lab	0	0	3		45	30	75	1.5
9		4ML4-23	Open CV Lab	0	0	3		45	30	75	1.5
10	ESC	4ML4-24	Machine Learning Lab	0	0	3		45	30	75	1.5
11	SODE CA	4ML8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
Sub- Total				0	0	12		180	120	325	6.5
TOTAL OF IV SEMEESTER				17	0	12		350	800	1175	23.5

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

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