

SARDAR PATEL UNIVERSITY

M. Sc. (Artificial Intelligence and Machine Learning)

(from June 2024)

Eligibility: A candidate shall have passed

- (i) BCA, BSc Comp Sc, BSc IT, BE CSc, BE IT, B Tech IT or equivalent degree or*
- (ii) passed any graduation degree eg. BE/BTech/BSc/BCom/BA/BVoc etc with mathematics, statistics or business mathematics at 10+2 or graduate level from recognized university*

M. Sc –AIML Course Structure for Semester I

Revision 2

SEMESTER-I	PAPER CODE & TITLE	CREDITS	EXT.	INT.	TOT.
Fundamental	PT01FAIML51: Mathematical and Statistical Foundations	4	70	30	100
Core Courses	PT01CAIML52: Artificial Intelligence	4	70	30	100
	PT01CAIML53: Python Programming -1	4	70	30	100
	PT01CAIML54: Oops and Java Programming	4	70	30	100
	PT01CAIML55: Foundation of Software Development	4	70	30	100
	PT01CAIML56: Practicals	5	70	30	100
Total Credits		25			

M. Sc – AIML Course Structure for Semester II

SEMESTER-II	PAPER CODE & TITLE	CREDITS	EXT.	INT.	TOT.
Fundamental	PT02FAIML51: Systems Analysis, Design, and Engineering	4	70	30	100
Core Courses	PT02CAIML52: Machine Learning	4	70	30	100
	PT02CAIML53: Python Programming -2	4	70	30	100
	PT02CAIML54: R Programming	4	70	30	100
Elective Courses	PT02EAIML55: Web Technology OR	4	70	30	100
	PT02EAIML56: Natural Language Processing				
Core Course	PT02CAIML57: Practicals	5	70	30	100
Total Credits		25			

M. Sc – AIML Course Structure for Semester III

SEMESTER-III	PAPER CODE & TITLE	CREDITS	EXT.	INT.	TOT.
Elective Courses	PT03EAIML51: Data Science OR	4	70	30	100
	PT03EAIML52: Internet of Things				
Core Courses	PT03CAIML53: Soft Computing	4	70	30	100
	PT03CAIML54: Deep Learning	4	70	30	100
	PT03CAIML55: Computer Graphics and Multimedia	4	70	30	100
	PT03CAIML56: In house Project	4	70	30	100
	PT03CAIML57: Practicals	5	70	30	100
Total Credits		25			

M. Sc – AIML Course Structure for Semester IV

SEMESTER-IV	PAPER CODE & TITLE	CREDITS	EXT.	INT.	TOT.
Core Course	PT04CAIML51: Project Work	25	420	180	600
Total Credits		25			