

Programme: MCA

Computer Applications

Scheme

w.e.f. Academic Session 2026-2027



BUEST

SCHOOL OF ENGINEERING & EMERGING TECHNOLOGIES

Semester – I

Sr.No	Code	Course Title	L	T	P	Credit
1	PCA-101	Programming in C	3	1	4	5.5
2	PCA-102	Introduction to Operating Systems and Linux	3	1	4	5.5
3	PCA-103	Computer Organization and Architecture	3	1	0	3.5
4	PCA-104	Relational Data Base Management System	3	1	4	5.5
5	PAM-105	Discrete Mathematics	3	1	0	3.5
6	PPD-101	Personality Development Programme	2	0	0	2
		Total	17	5	12	25.5

Semester – II

Sr.No	Code	Course Title	L	T	P	Credit
1	PCA-151	Advanced Data Structures and Algorithms	3	1	4	5.5
2	PCA-152	Theory of Computation	3	1	0	3.5
3	PCA-153	Software Engineering	3	1	0	3.5
4	PCA-154	Data Communication and Computer Networks	3	1	0	3.5
5	PCA-156	Object Oriented Programming	3	1	4	5.5
6	PPD-151	Personality Development Programme	2	0	0	2
		Total	17	5	8	25.5

Semester –III

Sr.No	Code	Course Title	L	T	P	Credit
1	PCA-201	Programming In Python	3	1	4	5.5
2	PCA-205	Web Technologies	3	1	4	5.5
3	PCA-217	Cloud Computing	3	1	0	3.5
4	PCA-204	Machine Learning	3	1	4	5.5
5	PXX-XXX	Department Elective	3	1	0	3.5
6	PPD-201	Personality Development Programme	2	0	0	2
		Total	17	5	12	25.5
	Department Elective					

1	PCA-215	Mobile Computing	3	1	0	3.5
2	PCA-216	Information Security	3	1	0	3.5
3	PCA-224	Computer Graphics	3	1	0	3.5
4	PCA-218	Mobile Application Development	3	1	0	3.5
5	PCA-219	Big Data Analytics	3	1	0	3.5
6	PCA-220	Cyber security	3	1	0	3.5
7	PCA-221	Internet of Things	3	1	0	3.5
8	PCA-222	Deep Learning	3	1	0	3.5
9	PCA-223	Artificial Intelligence	3	1	4	5.5

Semester-IV

Sr.No	Code	Course Title	L	T	P	Credit
1	PCA-251	Software Development Project	0	0	0	25