

Programme: M. Tech

Computer Science & Engineering

Scheme

w.e.f.Academic Session 2026-2027



BUEST

SCHOOL OF ENGINEERING & EMERGING TECHNOLOGIES

SEMESTER I

S.No.	Subject Code	Subject Title	Credit	Teaching Hours per week		
				Theory (L)	Tutorial (T)	Practical (P)
1	PCS-101	Advanced Computer Architecture	4	4	0	0
2	PCS-102	Advanced Database Management System	4	4	0	0
3	PCS-103	Advanced Operating System	4	4	0	0
4	PCS-104	Advanced Data Structures and Algorithms	4	4	0	0
5	PCS-105	Advanced Computer Networks	4	4	0	0
6	PCS-106	Advanced Database Management System Lab	2	0	0	4
7	PCS-107	Advanced Data Structure and Algorithm Lab	2	0	0	4
Total			24	20	0	8
Total Contact Hours:			28			

SEMESTER II

S. No.	Subject Code	Subject Title	Credit	Teaching Hours per week		
				Theory (L)	Tutorial (T)	Practical (P)
1	PCS-152	Soft Computing	4	4	0	0
2	PCS-158	Artificial Intelligence & Machine Learning	4	4	0	0
3	PCS-159	Cyber Security	4	4	0	0
4	PCS-154	Computer Vision and Image Processing	4	4	0	0
5	PMG-151	Research Methodology	4	4	0	0
6	PCS-155	Soft Computing Lab	2	0	0	4

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7	PCS-156	PROJECT-I	2	0	0	4
Total			24	20	0	8
Total Contact Hours:			28			

SEMESTER III

S. No.	Subject Code	Subject Title	Credit	Teaching Hours per week		
				Theory (L)	Tutorial (T)	Practical (P)
1	PCS-201	Big Data Analytics	4	4	0	0
2	PCS-XXX	Elective I	4	4	0	0
3	PCS-XXX	Elective II	4	4	0	0
4	PCS-204	Seminar	2	0	0	4
5	PCS-205	Pre-thesis	4	0	0	8
Total			18	12	0	12
Total Contact Hours:			24			

SEMESTER IV

S. No.	Subject Code	Subject Title	Credit	Teaching Hours per week		
				Theory (L)	Tutorial (T)	Practical (P)
1	PCS-251	Dissertation/ Thesis	16	0	0	0
Total			16	0	0	0
Total Contact Hours:			0			

List of Elective-I Subjects:

The department offer elective I based on student's choice, provided at least 6 students opt for a particular elective and also based on faculty availability.

(Student will choose any ONE subject from the given list of elective-I subjects)

List Of Elective-I Subjects						
S. No.	Course Code	Course Title	Credit	Teaching Hours per week		
				Theory (L)	Tutorial (T)	Practical (P)
1	PCS-206	Natural Language Processing	4	4	0	0
2	PCS-207	Cloud Computing	4	4	0	0
3	PCS-208	Software Testing and Quality Management	4	4	0	0
4	PCS-209	Software Verification Validation and Testing	4	4	0	0
5	PCS-211	Deep Learning	4	4	0	0
6	PCS-217	Information Retrieval	4	4	0	0

List of Elective-II Subjects:

The department offer elective II based on student's choice, provided at least 6 students opt for a particular elective and also based on faculty availability.

(Student will choose any ONE subject from the given list of elective-II subjects)

List Of Elective-II Subjects						
S. No.	Course Code	Course Title	Credit	Teaching Hours per week		
				Theory (L)	Tutorial (T)	Practical (P)
1.	PCS-210	Information Security	4	4	0	0
2	PCS-212	Distributed Operating System	4	4	0	0

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3	PCS-213	Object Oriented Analysis and Design using UML	4	4	0	0
4	PCS-215	Business Intelligence	4	4	0	0
5	PCS-214	Social Network Analysis	4	4	0	0
6	PCS-216	Embedded Systems for IOT	4	4	0	0