

B.Tech. COMPUTER SCIENCE AND ENGINEERING

Y r	Sub Code	ODD SEMESTER				Sub. Code	EVEN SEMESTER					
		Sub. Name	L	T	P		C	Sub. Name	L	T	P	C
2	MAT 209	ENGINEERING MATHEMATICS III	4	0	0	4	MAT 212	ENGINEERING MATHEMATICS IV	4	0	0	4
	CSE 201	COMPUTER ORGANIZATION & DESIGN	3	1	0	4	CSE 202	FORMAL LANGUAGES & AUTOMATA THEORY	3	1	0	4
	CSE 203	SWITCHING THEORY & LOGIC DESIGN	3	1	0	4	CSE 204	RELATIONAL DATABASE MGT. SYSTEMS	3	1	0	4
	CSE 205	DATA STRUCTURES	3	1	0	4	CSE 206	MICROPROCESSORS	3	1	0	4
	CSE 207	OBJECT ORIENTED PROGRAMMING USING C++	3	1	0	4	CSE 208	EVENT DRIVEN PROGRAMMING USING JAVA	3	1	0	4
	CSE 209	LOGIC DESIGN LAB.	0	0	3	1	*** **	OPEN ELECTIVE-I	3	0	0	3
	CSE 211	DATA STRUCTURES LAB.	0	0	3	1	CSE 210	MICROPROCESSORS LAB.	0	0	3	1
	CSE 213	OBJECT ORIENTED PROGRAMMING USING C++ LAB	0	0	3	1	CSE 212	JAVA PROGRAMMING LAB.	0	0	3	1
			16	4	9	23			19	04	09	26
3	CSE 301	DESIGN AND IMPLEMENTATION OF PROGRAMMING LANGUAGES	3	1	0	4	HSS 302	ESSENTIALS OF MANAGEMENT & ENGG. ECONOMICS	3	1	0	4
	CSE 303	DESIGN AND ANALYSIS OF ALGORITHMS	3	1	0	4	CSE 302	LANGUAGE PROCESSORS	3	1	0	4
	CSE 305	SOFTWARE ENGINEERING	3	1	0	4	CSE 304	NETWORK PROTOCOLS	3	1	0	4
	CSE 307	COMPUTER GRAPHICS	3	1	0	4	CSE 306	PARALLEL COMPUTER ARCHITECTURE & PROGRAMMING	3	1	0	4
	CSE 309	OPERATING SYSTEM & LINUX	3	1	0	4	CSE ***	PROGRAM ELECTIVE -I	3	1	0	4
	CSE 311	COMPUTER COMMUNICATION & NETWORKS	3	1	0	4	*** **	OPEN ELECTIVE-II	3	0	0	3
	CSE 313	DESIGN AND ANALYSIS OF ALGORITHMS LAB	0	0	3	1	CSE 308	LANGUAGE PROCESSORS LAB.	0	0	3	1
	CSE 315	COMPUTER GRAPHICS LAB	0	0	3	1	CSE 310	COMPUTER NETWORKS LAB.	0	0	3	1
CSE 317	OPERATING SYSTEM & LINUX LAB.	0	0	3	1	CSE 312	PARALLEL PROGRAMMING LAB.	0	0	3	1	
		TOTAL	18	6	9	27		TOTAL	18	5	9	26
4	CSE 401	DISTRIBUTED COMPUTING SYSTEMS	3	1	0	4	CSE 402 (**)	INDUSTRIAL TRAINING	0	0	0	1
	CSE 403	ADVANCED INTERNET TECHNOLOGY	3	1	0	4	CSE 499	PROJECT WORK / PRACTICE SCHOOL	0	0	0	20
	CSE 405	OBJECT ORIENTED ANALYSIS & DESIGN USING UML	3	1	0	4						
	CSE ***	PROGRAM ELECTIVE - II	3	1	0	4						
	CSE ***	PROGRAM ELECTIVE -III	3	1	0	4						
	CSE ***	PROGRAM ELECTIVE -IV	3	1	0	4						
	CSE 407	ADVANCED INTERNET TECHNOLOGY LAB	0	0	3	1						
	CSE 409	OBJECT ORIENTED ANALYSIS & DESIGN LAB	0	0	3	1						
CSE 411	SEMINAR	0	0	3	1							
		TOTAL	18	6	9	27		TOTAL	0	0	0	21

Note: ()** Evaluation is carried out in 7th semester and grade is included in 8th semester grade sheet.

PROGRAMME ELECTIVES

CSE 320 Digital Image Processing
CSE 322 Advanced Database Systems
CSE 324 Cryptography and Network Security
CSE 326 Building Enterprise Application
CSE 328 Unix System Programming
CSE 350 Advanced Computer Networks
CSE 421 Software Testing and Analysis
CSE 423 Artificial Intelligence
CSE 425 C# Programming and .NET Concepts
CSE 427 Developing Enterprise Application Using JEE Technologies
CSE 429 Storage Device Technology
CSE 431 Neural Networks and Fuzzy Systems
CSE 433 Data Warehousing and Data Mining
CSE 435 Multimedia Applications
CSE 437 Business Intelligence and its Application
CSE 439 Embedded Systems
CSE 441 Design of UNIX Operating System
CSE 443 Software Architecture
CSE 445 Bio-informatics

OPEN ELECTIVES

CSE 330 Principles of Programming languages
CSE 332 Programming in C++
CSE 334 Programming in Java
CSE 336 Linux Basics and Programming
CSE 338 Web 2.0 and Rich Internet Applications
CSE 340 Information Retrieval
CSE 342 Database Management Systems
CSE 344 Principles of Software Engineering
CSE 346 Essentials of IT
CSE 348 Essentials of Industrial Computing

Note: Few Electives from the above list will be offered depending on the availability of Faculty.