



School of Computing Science and Engineering (SCSE)

Outline

I. Curriculum and Syllabus

1. Annexure-I

**B.Tech. (Computer Science and Engineering)
Curriculum and Syllabus (2012-13 batch onwards)**

ANNEXURE-I

B.Tech. (Computer Science and Engineering) Curriculum and Syllabus

Curriculum

Semester Split-up

Flowchart

Syllabi

<p>I. University Core (17 Credits)</p>	
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[illegible]

II. University Elective (6 Credits)

S. No.	Course Code	Course Name	L	T	P	C		Prerequisites/ Exposure
1		University Elective - I	3	0	0	3		
2		University Elective - II	3	0	0	3		
						6		

<p align="center">III. Science (38 Credits)</p>	
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[illegible]

IV. Program Core (116 Credits)

S. No.	Course Code	Course Name	L	T	P	C	H/M/ S/E	Prerequisites/ Exposure
1.	EEE 101	Basic Electrical and Electronics Engineering	3	0	2	4	E	
2.	EEE 103	Electronics	3	0	2	4	E	EEE 101
3.	CSE 219	Object Oriented Paradigm and Programming	3	1	2	5	E	CSE 101
4.	CSE 109	Digital Logic	3	0	2	4	E	CSE 101
5.	CSE 220	Data Structures and Algorithms	3	1	2	5	E	CSE 101
6.	CSE 205	Computer Architecture and Organization	3	1	0	4	E	CSE 109
7.	CSE 202	Algorithm Design and Analysis	3	1	0	4	E	CSE 220
8.	CSE 221	Microprocessor and Interfacing	3	0	2	4	E	CSE 205
9.	CSE 322	Embedded Systems	3	0	2	4	E	CSE 221
10.	CSE 222	Operating Systems	3	0	2	4	E	CSE 205
11.	CSE 323	Computer Networks	3	0	2	4	E	CSE 222

V. Program Electives (9 Credits)

S. No.		Course Name	L	T	P	C	H/M/ S/E	Prerequisites/ Exposure
1.	CSE 404	Bio-informatics	3	0	0	3	E	CSE 202
2.	CSE 405	Parallel Algorithms	3	0	0	3	E	CSE 205+ CSE 202
3.	CSE 314	Advanced Computer Architecture	3	0	0	3	E	CSE 205 +CSE 309
4.	CSE 406	Concurrent and Distributed Systems	3	0	0	3	E	CSE 222
5.	CSE 407	Software Practice and Testing	3	0	0	3	E	CSE 325
6.	CSE 408	Data Warehousing and Data Mining	3	0	0	3	E	CSE 324
7.	CSE 315	Scripting Languages	3	0	0	3	E	CSE 323
8.	CSE 403	Human Computer Interaction	3	0	0	3	E	CSE 418+ CSE 325
9.	CSE 316	Database Design	3	0	0	3	E	CSE 324
10.	CSE 409	Modeling and Simulation	3	0	0	3	E	MAT 207
11.	CSE 317	Data Communications	3	0	0	3	E	CSE 323
12.	CSE 415	Information Security	3	0	0	3	E	CSE 326
13.	CSE 319	Soft Computing	3	0	0	3	E	MAT 106

14.	CSE 416	Cloud Computing	3	0	0	3	E	CSE 325
15.	CSE 320	Multi-core Architecture	3	0	0	3	E	CSE 205
16.	CSE 420	Green Computing	3	0	0	3	E	
17.	CSE421	Information Retrieval	3	0	0	3	E	CSE 202
18.	CSE 424	Ad hoc Wireless Networks	3	0	0	3	E	CSE 323
19.	CSE 422	Medical Image Processing	3	0	0	3	E	CSE 327
20.	CSE 223	Principles of Programming	3	0	0	3	E	CSE 101
21.	CSE 331	Pattern Classification	3	0	0	3	E	MAT202
22.	CSE 423	Gaming Engineering	3	0	0	3	E	CSE 326
23.	ECE 104	Discrete Systems and Time Series	3	0	0	3	E	



