

## COMPUTER SCIENCE & ENGINEERING

### 3<sup>rd</sup> SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	CS301	Computer Organization and Architecture	3	0	0	3	3
2.	CS303	Operating systems	3	0	0	3	3
3.	MA301	Mathematics-III	3	1	0	4	4
4.	MA302	Discrete Mathematics	3	1	0	4	4
5.	IE301	Network Theory	3	1	0	4	4
6.	CS304	Data structure	3	1	0	4	4
7.	CS373	Operating System Lab	0	0	3	3	2
8.	CS374	Data structure Lab	0	0	3	3	2
9.	IE371	Circuit Simulation Lab	0	0	3	3	2
10.	HU371	Language Lab	0	0	3	3	2
<b>Total Credits</b>							<b>30</b>

### 4<sup>th</sup> SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	HU401	Engineering Economics	3	0	0	3	3
2.	EC401	Digital Electronics	3	1	0	4	4
3.	CS401	Database Management systems	3	1	0	4	4
4.	CS402	Computer networks	3	1	0	4	4
5.	MA401	Numerical Methods & C Programming	3	1	0	4	4
6.	CS471	Database Management systems Lab	0	0	3	3	2
7.	CS472	Networks lab	0	0	3	3	2
8.	EC471	Digital Electronics Lab	0	0	3	3	2
9.	MA471	NMCP Lab	0	0	3	3	2
<b>Total Credits</b>							<b>27</b>

### 5<sup>th</sup> SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	HU501	Industrial Management and Entrepreneurship	3	0	0	3	3
2.	IE501	Microprocessor and Microcontrollers	3	1	0	4	4
3.	CS501	System programming	3	0	0	3	3
4.	CS502	Theory of Computation	3	0	0	3	3
5.	CS503	Design and analysis of algorithm	3	0	0	3	3
6.	CS51*	Elective	3	0	0	3	3
7.	IE571	Microprocessor Lab	0	0	3	3	2
8.	CS591	Mini Project	0	0	3	3	2
9.	CS571	Unix programming lab	0	0	3	3	2
<b>Total Credits</b>							<b>25</b>

## 6<sup>th</sup> SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	HU601	Professional Communication	2	0	0	2	2
2.	CS601	Compiler Design	3	1	0	4	4
3.	CS602	Software Engineering	3	1	0	4	4
4.	CS603	Information Security	3	1	0	4	4
5.	CS604	Computer Graphics	3	0	0	3	3
6.	CS671	Compiler Design Lab	0	0	3	3	2
7.	CS674	Computer Graphics Lab	0	0	3	3	2
8.	CS673	Information Security Lab	0	0	3	3	2
<b>Total Credits</b>							<b>23</b>

## 7<sup>th</sup> SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	CS71*	Elective	3	0	0	3	3
2.	CS71*	Elective	3	0	0	3	3
3.	CS71*	Elective	3	0	0	3	3
4.	CS71*	Elective	3	0	0	3	3
5.	CS791	Major Project –I	0	0	12	12	8
6.	CS792	Report and Presentation on Practical Training – II	-	-	-	-	3
7.	CS793	Seminar	0	0	3	3	2
<b>Total Credits</b>							<b>25</b>

## 8<sup>th</sup> SEMESTER

Sl. No.	Code	Subjects	Contacts (periods per week)				Credit points
			L	T	P	Total	
1.	CS81*	Elective	3	0	0	3	3
2.	CS81*	Elective	3	0	0	3	3
3.	CS81*	Elective	3	0	0	3	3
4.	CS891	Major project -II	0	0	18	18	12
5.	CS892	Project Defense	-	-	-	-	4
6.	CS893	Comprehensive Viva Voce	-	-	-	-	8
<b>Total Credits</b>							<b>33</b>

### List of Elective Courses in Computer Science & Engineering

CS511: Object Oriented Analysis And Design CS512: Multimedia CS513: Neural Computing CS514: Discrete Structures CS711: Artificial Intelligence CS712: Mobile Computing CS713: Advanced Databases CS714: Parallel Computing	CS715: Digital Speech & Image Processing CS716: Pattern Recognition CS717: Cryptography & Network Security CS718: Graph Theory CS811: ATM Networks CS812: Robotics CS813: High Performance Microprocessors CS814: C# and .NET Frame Work CS815: TCP / IP – Design And Implementation CS816: Software Testing CS817: Embedded Systems
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