List of Core Subjects(B Tech in Computer Science and Engineering)

SEMESTER III

Sl. No.	Sub-Code	Subject	Hours per Week			Credit	Marks	
			L	T	P	c	CE	ESE
Theory								
1	MA181301B	Mathematics Ill-B	2	1	0	3	30	70
2	CSE181302	Object Oriented Programming using C++	3	0	0	3	30	70
3	CSE181303	Digital Systems	3	0	2	4	30	70
4	CSE181304	Data Structure and Algorithms	3	0	0	3	30	70
5	CSE181305	Basics of Signals and Systems	3	0	0	3	30	70
6	MC181306	Constitution of India	2	0	0	(PPNP)		100
Practical								
1	CSE181312	Object Oriented Programming using C++	0	0	4	2	15	35
2	CSE181314	Data Structure and Algorithms Lab	0	0	4	2	15	35
3	Sli81321	Internship-I (SAI - Social)	0	0	0	1		100

SEMESTER IV

Sl. No.	Sub-Code	Subject	Hours per Week			Credit	Marks	
			L	T	P	C	CE	ESE
Theory								
1	CSE181401	Discrete Mathematics	3	1	0	4	30	70
2	CSE181402	Computer Organization and Architecture	3	0	2	4	30	70
3	CSE181403	Operating System	3	0	0	3	30	70
4	CSE181404	JAVA Programming	2	0	4	4	30	70
5	CSE181405	Graph Theory	3	0	0	3	30	70
6	MC181406	Environmental Science	2	0	0	0(PPNP)		100
Practical								
1	CSE181413	Operating System Lab	0	0	4	2	15	35
2	CSE181417	IT Workshop (SciLab/Python)	0	1	2	2	15	35

SEMESTER V

No.	Sub-Code	Subject	Hours per Week			Credit	Marks	
			L	T	P	C	CE	ESE
Theory								
1	CSE181501	Database Management System	3	0	0	3	30	70
2	CSE181502	Design and Analysis of Algorithm	3	0	2	4	30	70
3	CSE181503	Formal Language and Automata Theory	3	0	0	3	30	70
4	CSE1815PE1*	Program Elective- I	3	0	0	3	30	70
	HS181506	Engineering Economics	3	0	0	3	30	70
Practical								
1	CSE181511	Database Management System Lab	0	0	4	2	15	35
2	CSE181516	Web Programming	0	1	4	3	15	35
3	Sli81521	Internship-Il(SAI Academia)	0	0	0	1		100

SEMESTER VI

No.	Sub-Code	Subject	Hours per Week			Credit	Marks	
			L	T	P	C	CE	ESE
Theory								
1	CSE181601	Compiler Design	3	0	0	3	30	70
2	CSE181602	Computer Networks	3	0	0	3	30	70
6	HS181606	Accountancy	2	0	0	2	30	70
Practical								
1	CSE181611	Compiler Design Lab	0	0	2	1	15	35
2	CSE181612	Computer Networks Lab	0	0	2	1	15	35
	CSE181621	Mini Project	0	0	6	3	50	100

SEMESTER VII

No.	Sub-Code	Subject	Hours per Week			Credit	Marks	
			L	T	P		CE	ESE
Theory								
4	HS181704	Principles of Management	3	0	0	3	30	70
Practical								
	CSE181722	Project-I	0	0	12	6	50	50
2	sli81721	Internship-Ill (SAI-Industry)	0	0	0	2		200

SEMESTER VIII

No.	Subject Code	Subject	Hours per Week			Credit	Marks	
			L	T	P		CE	ESE
Theory								
Practical								
1	CSE181822	Project-2	0	0	12	6	100	50