

BTech Year I, Sem I

Serial Code	Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
				Theory	Tutorial	Practical	
1	01MA0106	Calculus	BSC	3	1	0	4
2	01EE1101	Basics of Electrical & Electronics Engineering	ESC	4	0	2	5
3	01CE1101	Computer Programming	ESC	4	0	2	5
4	01CB0101	Fundamentals of Biology	PCC	3	0	2	4
5	01CR1103	Value Education	MC	2	0	0	0
6	01CE1102	Computer Workshop	LC	0	0	2	1
7	01GS0103	Indian constitution	MC	1	0	0	0
8	01CR0105	Verbal Ability – 1	MC	1	0	0	0
		Total		18	1	8	20

BTech Year I, Sem II

Serial Code	Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
				Theory	Tutorial	Practical	
1	01MA0104	Linear Algebra	BSC	3	2	0	5
2	01CE0104	Object Oriented Programming	ESC	2	0	4	4
3	01CB0102	Analytical Bioinformatics	PCC	2	0	4	4
4	01EC0102	Digital Electronics	ESC	3	0	2	4
5	01SL0102/ 01SL0103	Reading and Writing for Technology / Speaking and Presentation Skills	HSMC	2	0	0	2
6	01EN1101	Basics of Environmental Studies	MC	2	0	0	0
7	01CR0104	Professional Ethics	MC	1	0	0	0
8	01CR0106	Verbal Ability – 2	MC	1	0	0	0
		Total		16	2	10	19

BTech Year II, Sem III							
Serial Code	Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
				Theory	Tutorial	Practical	
1	01AI1301	Probability and Statistics	BSC	3	0	2	4
2	01CE1301	Data Structure	ESC	3	0	2	4
3	01CE2302	Database Management System	PCC	3	0	2	4
4	01CE0306	Web Technology	PCC	3	0	2	4
5	01CE0307	Object Oriented Programming	PCC	2	0	4	4
6	01CE1304	Design Thinking and Problem Solving Skills	MC	0	0	2	0
7	01CE1305	Programming with Python	MC	0	0	2	0
		Total		14	0	16	20

BTech Year II, Sem IV							
Serial Code	Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
				Theory	Tutorial	Practical	
1	01CE0409	Discrete Mathematics	BSC	3	1	0	4
2	01CE1401	Operating System	PCC	3	0	4	4
3	01CE1402	Computer Organization and Architecture	PCC	3	1	0	4
4	01CE0410	Computer Network	PCC	3	0	2	4
5	01CE0411	Advance Java Technology	PCC	2	0	4	4
6	01CE0408	Creativity, Problem Solving and Innovation	MC	0	0	2	1
		Total		14	2	10	21

BTech Year III, Sem V

Serial Code	Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
				Theory	Tutorial	Practical	
1	01CE0501	Microprocessor Fundamentals & Programming	PC	3	0	2	4
2	01EE1101	Advanced Java Programming	PC	4	0	2	5
3	01CE0503	Design and Analysis of Algorithm	ESC	4	0	2	5
4	01CE0504	Theory of Automata and Formal Languages	PC	3	0	0	3
5	01CE05XX/ 01IT05XX	Department Elective – 1	PEC	4	0	2	5
6	01CE0508	Reverse Engineering	EE	0	0	2	1
7	01IT0502	Seminar	PC	0	0	2	1
		Total		18	0	12	24

Department Elective – 1

1. 01IT0503 – Advanced Computer Network
2. 01CE0506 – Distributed Operating System
3. 01CE0507 – Image Processing

BTech Year III, Sem VI

Serial Code	Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
				Theory	Tutorial	Practical	
1	01IT0601	Software Engineering	PC	3	0	2	4
2	01CE0601	Compiler Design	PC	4	0	2	5
3	01CE0602	.NET Technologies	ESC	4	0	2	5
4	01IT0602	Web Technology	PC	3	0	2	4
5	01CE06XX	Department Elective – 2	PEC	4	0	2	5
6	01CE0508	Design Engineering and Project Management	EE	0	0	2	1
7	01IT0502	Business Benchmark	PC	0	0	2	1
		Total		18	0	12	24

Department Elective – 2

1. [01CE0603](#)– Computer Security
2. [01CE0604](#) – Cyber Security
3. [01CE0605](#) – Network Security

BTech Year IV, Sem VII

Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
			Theory	Tutorial	Practical	
01IT0701	Advanced Web Technologies	PC	3	0	2	4
01CE0702	Artificial Intelligence	PC	4	0	2	5
01CE07XX	Department Elective – 3	PEC	3	0	2	4
01CE07XX	Department Elective – 4	PEC	3	0	2	4
01CE07XX	Department Elective – 5	PEC	3	0	2	4
01IT1703	Major Project – 1	PC	0	0	8	4
	Total		16	0	18	25

Department Elective – 3

- 1) 01CE1703 – iOS Programming
- 2) 01CE1704 – Android Programming
- 3) 01CE1705 – Programming with Python
- 4) 01CE1706 – Advanced .NET Technologies

Department Elective – 4

- 1) 01CE1707 – Data Mining and Information Retrieval
- 2) 01CE1708 – Software Architecture
- 3) 01CE1709 – Computational Intelligence
- 4) 01CE0701 – Mobile Computing

Department Elective – 5

- 1) 01CE0710 – Cloud Computing
- 2) 01CE0711 – Machine Learning
- 3) 01CE0712 – Internet of Things
- 4) 01CE0713 – Natural Language Processing

BTech Year IV, Sem VIII

Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits
			Theory	Tutorial	Practical	
01IT1801	Major Project – 2	PC	0	0	30	15
	Total		0	0	30	15