

**Following is the list of courses offered by Department of Computer
Engineering in the I Semester**

S.No	Course No.	Course Title	Cr.	Cr. Breakup	Course Instructor
1.	TCT-207	Computer Organization Architecture	3	(2-0-2)	Dr. P.K. Mishra
2.	TCT-201	Data Structures	4	(3-0-2)	Prof. Sunita Jalal
3.	TCT-202	Digital Electronics (Computer , IT)	4	(3-0-2)	Prof. Jalaj Sharma
4.	TCT-203	Theory of Computing	3	(3-0-0)	Prof. B. K. Singh
5.	TCT-204	Discrete Mathematics	3	(3-0-0)	Prof. C. S. Negi
6.	NSS/NCC-201	National Service Scheme/ NCC	0	(0-0-4)	Prof. C. S. Negi
7.	TCT-306	Computer Communication Systems	3	(2-0-2)	Prof. C. S. Negi
8.	TCT-301	Programming Languages	3	(2-0-2)	Dr. Rajeev Singh
9.	TCT-302	Software Engineering	2	(2-0-0)	Dr. P.K. Mishra
10.	TCT-303	Database Management Systems	4	(3-0-2)	Dr. Rajeev Singh
11.	TCT-304	System Programming	3	(2-0-2)	Prof. B. K. Singh
12.	TCT-468	PE-I (VLSI System Design)	3	(3-0-0)	Prof. Jalaj Sharma
13.	NSS/NCC-301	National Service Scheme/ NCC	0	(0-0-4)	Prof. C. S. Negi
14.	TCT-432	PE-II (Artificial Intelligence)	3	(3-0-0)	Dr. S. D. Samantaray
15.	TCT-433	PE-III (Data Mining)	3	(3-0-0)	Prof. Sunita Jalal
16.	TCT-466	PE-IV (Cryptography and Network Security)	3	(3-0-0)	Dr. Rajeev Singh
17.	TCT-381	OE-I (Programming for Artificial Intelligence and Machine Learning Applications)	3	(3-0-0)	Dr. S. D. Samantaray
18.	TCT-382	OE-II Data Science Application (Open Elective)	3	(3-0-0)	Prof. C. S. Negi
19.	TCT-401	Machine Learning	3	(2-0-2)	Prof. B. K. Singh
20.	TCT-495 A	Project-I	4	(0-0-8)	Dr. S. D. Samantaray

21.	TCT-102	Computer Programming and Data Structure	3	(1-0-2x2)	Teaching Personnel
22.	TCT-520	Computer Modeling & Simulation	2	(1-0-3)	Dr. Rajeev Singh
23.	TCT-600	Seminar	1	(0-0-3)	Prof. C. S. Negi
24.	TCT-501	Advanced Data Structure	3	(2-0-2)	Prof. Sunita Jalal
25.	TCT-502	Advanced Algorithm	3	(2-0-2)	Dr. P.K. Mishra
26.	TCT-621	Computational Intelligence and Soft Computing	3	(2-0-3)	Prof. B. K. Singh
27.	TCT-504	Theoretical Foundation of Computer Sciences	3	(3-0-0)	Dr. P.K. Mishra
28.	TCT-530	Computational Scientific Tools for Research	2	(0-0-2x2)	Prof. Sunita Jalal
29.	TCT-531	Experimental Method for AI & ML	2	(0-0-2x2)	Dr. S. D. Samantaray