

**Course Structure
for
Pre Ph.D(Computer Science)Course Work
Session: 2017-18**



**Department of Computer Applications
DIT University Dehradun**

Pre Ph.D Course Structure

S.No.	Course Code	Course Name	Periods			Credits
			L	T	P	
1	MS621	Research Methodology	4	0	0	4
2		Elective 1	4	0	0	4
3		Elective 2	4	0	0	4
4		Elective3	4	0	0	4
5	DS001	Seminar	0	0	2	1

List of Elective

S.No.	Subject Code	Course
1	CS602	Modeling and Simulation
2	CS603	Cloud Technologies
3	CS611	Data Structures and Algorithms
4	CS612	Fuzzy Logic & Genetic Algorithms
5	CS605	Big Data Analytics
6	CS651	Digital Image Processing
7	CS652	Cryptography
8	CS653	Advanced Computer Networks
9	CS654	Neural Networks & Neuro Fuzzy Systems
10	CA749	Machine Learning
11	CA855	Wireless Sensor Networks
12	CA748	Parallel Computing
13	CA745	Artificial Intelligence
14	DCC650	Distributed Systems
15	DCC020	Information & Coding Theory
16	DCC620	Mobile and Ad-Hoc Networks
17	DCC630	Advanced Data Warehousing and Mining