Teaching plan

Subject: Computer Science

Paper Name: data structure using C

Credit/Total no. of classes.3+1

Period: Theory: 45 Hours

Practical: 30 Hours

Non Contact: 5 hours

Theory

Lecture No.	Faculty	Topic	Mode of Teaching (Experiential Learning, Participative Learning)	Teaching Aids use	Assessment Method
1-8	P.P.D.Sarma	Unit I: Data Structure overview and array	Participative Learning	Computer system with overhead projector	QUIZ
9-17	P.P.D.Sarma	Unit II: Linked list	Participative Learning	Computer system with overhead projector	QUIZ, class work, home work
18-25	P.P.D.Sarma	Unit III: Stack and Queue	Participative+ experiential Learning Demonstration	Computer system with overhead projector	QUIZ, class work, home work
26-34	P.P.D.Sarma	Unit IV: Binary Tree	Participative+ experiential Learning Demonstration	Computer system with overhead projector	Quiz, class work, home work, practical assignment
35-40	P.P.D.Sarma	Unit V: Searching and sorting	Participative+ experiential Learning Demonstration	Computer system with overhead	QUIZ, class work, Practical assignment

				projector	
40-45	P.P.D.Sarma	Unit VI: Analysis of algorithm and complexity	Participative+ experiential Learning Demonstration	Computer system with overhead projector	QUIZ, class work, Practical assignment

Practical

48 practical problems given in the syllabus are to be solved and the codes are to be uploaded in github repository.