DRONACHARYA
College of Engineering

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: CSE-II

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Analysis and design of Algorithms(CSE-306-F)

Name of Faculty with designation : Mr. Chain Singh(Assistant Professor)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	09.01.2018 Tuesday	VI-CSE-II	1	Brief review of Data Structure	………	Assignment of 02 Ques. given
January	11.01.2018 Thursday	VI-CSE-II	1	Sorting and searching algorithm		Assignment of 02 Ques. given
January	16.01.2018 Tuesday	VI-CSE-II	1	Binary search, Merge sort, Selection sort		Assignment of 02 Ques. given
January	18.01.2018 Thursday	VI-CSE-II	1	Quick sort		Assignment of 02 Ques. given
January	23.01.2018 Tuesday	VI-CSE-II	1	Analysis in term of space & time complexity		Assignment of 02 Ques. given
January	25.01.2018 Thursday	VI-CSE-II	1	Set and Disjoint set, union		Assignment of 02 Ques. given
January	30.01.2018 Tuesday	VI-CSE-II	1	Strassens matrix multiplication algorithm & analysis of of algorithm for this problem		Assignment of 02 Ques. given
February	01.02.2018 Thursday	VI-CSE-II	1	Divide & Conquer , General method		Assignment of 02 Ques. given
February	06.02.2018 Tuesday	VI-CSE-II	1	Master Theorem, Recurrence Relation, Solve recurrence relation using substitution method.		Assignment of 02 Ques. given
February	08.02.2018 Thursday	VI-CSE-II	2	Greedy method,General method		Assignment of 02 Ques. given
February	20.02.2018 Tuesday	VI-CSE-II	2	knapsack problem analysis		Assignment of 02 Ques. given
February	22.02.2018 Thursday	VI-CSE-II	2	Solve Job sequencing with deadline using Greedy Technique		Assignment of 02 Ques. given
February	27.02.2018 Tuesday	VI-CSE-II	2	Minimum spanning Tree, Single source shortest path		Assignment of 02 Ques. given

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
March	06.03.2018 Tuesday	VI-CSE-II	2	Dynamic programming		**Assignment of 02 Ques. given**
March	08.03.2018 Thursday	VI-CSE-II	2	Optimal Binary search tree		**Assignment of 02 Ques. given**
March	13.03.2018 Tuesday	VI-CSE-II	2	Travelling salesperson problem		**Assignment of 02 Ques. given**
March	15.03.2018 Thursday	VI-CSE-II	3	Backtracking Technique 8 queen's problem		**Assignment of 02 Ques. given**
March	27.03.2018 Tuesday	VI-CSE-II	3	Graph Coloring, Hamiltonion Cycle		**Assignment of 02 Ques. given**
April	03.04.2018 Tuesday	VI-CSE-II	3	Branch & Bound method, 0/1 knapsack problem		**Assignment of 02 Ques. given**
April	05.04.2018 Thursday	VI-CSE-II	3	Travelling Salseperson problem		**Assignment of 02 Ques. given**
April	10.04.2018 Tuesday	VI-CSE-II	4	NP Hard & NP Complete		**Assignment of 02 Ques. given**
April	12.04.2018 Thursday	VI-CSE-II	4	Cooks's theorem		**Assignment of 02 Ques. given**
April	24.04.2018 Tuesday	VI-CSE-II	4	NP Hard Graph, NP Hard scheduling problems, Some simplified NP Hard problem		**Assignment of 02 Ques. given**
April	26.04.2018 Thursday	VI-CSE-II		Revision		