



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent unit of MAHE, Manipal)

COURSE PLAN FOR ONLINE DSA LAB

DEPARTMENT : Computer Applications
COURSE NAME & CODE : DSA LAB MCA 4261
SEMESTER & BRANCH : II SEMESTER & MCA
NAME OF FACULTY : Poornima Panduranga Kundapur & Linda Varghese

Program Number	TOPIC	Week Number
**	Matrices: Mapping of 2D arrays to 1D arrays	
P1	Implementation of Stack using arrays	1
P2	Implementation of Queue using arrays	
P3	Conversion of Infix expression to Postfix expression (using stack)	2
P4	Conversion of Infix expression to Prefix expression (using stack)	
P5	Evaluation of Postfix expression.	3
P6	Evaluation of Prefix expression.	
P7	Implementing stack using Singly linked list	4
P8	Implementing stack using Doubly linked list	
P9	Stack and Queue using singly linked list.	5
P10	Stack and Queue using doubly linked list	
P11	Binary search tree operations	6
P12	Representation of directed graph and undirected graph.	
P13	Sorting: Bubble, Exchange, Selection & Insertion	7
P14	Searching: Binary & Linear	
	Examination	8