Sandip foundation's
Sandip Institute of Technology & Research Center, Nashik.
DEPARTMENT OF COMPUTER ENGINEERING
Subject : DSA

Course Educational Objectives(CEO):

1. To understand the standard and abstract data representation methods.
2. To acquaint with the structural constraints and advantages in usage of the data.
3. To understand the memory requirement for various data structures.
4. To operate on the various structured data.
5. To understand various data searching and sorting methods with pros and cons.
6. To understand various algorithmic strategies to approach the problem solution.

Course Outcomes(CO):

1. To discriminate the usage of various structures in approaching the problem solution.
2. To design the algorithms to solve the programming problems.
3. To use effective and efficient data structures in solving various Computer Engineering domain problems.
4. To analyze the problems to apply suitable algorithm and data structure.
5. To use appropriate algorithmic strategy for better efficiency

Mapping of Course Educational Objectives to Course Outcomes

Sr. No.	Course Educational Objectives (CEO)	Course Outcomes(CO)				
		1	2	3	4	5
1	To understand the standard and abstract data representation methods.	✓				
2	To acquaint with the structural constraints and advantages in usage of the data.		✓			
3	To understand the memory requirement for various data structures.			✓		

4	To operate on the various structured data.				✓	
5	To understand various data searching and sorting methods with pros and cons.				✓	
6	To understand various algorithmic strategies to approach the problem solution.					✓

Mapping of Course Objectives to Program Outcomes

Sr. No.	Course Outcomes (CO)	Program Outcomes (PO)											
		A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**	**L**
1	To discriminate the usage of various structures in approaching the problem solution.	✓											
2	To design the algorithms to solve the programming problems.					✓							
3	To use effective and efficient data structures in solving various Computer Engineering domain problems.				✓								
4	To analyze the problems to apply suitable algorithm and data structure.		✓										
56.	To use appropriate algorithmic strategy for better efficiency		✓										