



FAIRFIELD Institute of Management & Technology

(Affiliated to GGSIP University, New Delhi)

तेजस्वि नावधीतमस्तु
ISO 9001:2008 & 14001:2004
NAAC ACCREDITED



'A' Grade Institute by DHE, Govt. of NCT Delhi, Affiliated to GGSIP University Delhi
and Approved by Bar Council of India & NCTE

BCA: 2nd Semester Data Structure using CCode: BCA 108

OBJECTIVE:

The objective of this paper is to identify the foundation terms and concepts that are commonly used in **Data Structure using C**. This course will give complete descriptions about the terms used in the **Data Structure using C**.

QUESTIONS:

1. Explain the Classification of data structures and its operations
2. Explain linked lists
3. Explain Traversal of binary trees
4. Explain the Insertion sort
5. Explain the Indexing with binary search trees. What do you mean by Multilevel Indexing with the Binary Trees?

PROCEDURE:

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

OUTCOME:

After doing this assignment, students will come to understand the important terminologies to related to the **Data Structure using C**.

TEXTBOOKS:

- [T1] Ashok N. Kamthane, "Introduction to Data Structures in C", Pearson Edu.
[T2] Y. Langsam, Tananbaum, et. al., "Data Structures using C and C++", PHI, 1999.
[T3] Schaum's outline series, "Data Structure", TMH, 2002

REFERENCES:

- [R1] Yashwant Kanetkar, "Data Structures Through C", BPB Publications, 2008 [R2] A.K. Sharma, "Data Structure Using C", Pearson