

Introduction to Computer Science Basics

training Workshop by NED University

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Venue: Main Lecture Hall, NED University

Facilitator: Dr. Ayesha Khan

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What is Computer Science & Programming Basics

- **Definition of CS:** “Study of computers, algorithms, and information processing.”
- **Applications:** AI, web development, data analysis, gaming
- **Programming basics:** Variables, Data Types, Input/Output
- **Optional:** small code snippet (Python or C)

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Algorithms & Data Structures

- Sorting & Searching basics (Bubble Sort, Linear Search)
- Data structures: Arrays, Lists, Stacks
- Diagram showing array/list structure

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Resources & References

- Books: “Introduction to Computer Science” by Author XYZ
- Websites: tutorialspoint.com, geeksforgeeks.org
- Online courses: Coursera, edX

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