SNS COLLEGE OF TECHNOLOGY

Coimbatore-36.
An Autonomous Institution

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

COURSE NAME : – C & Data Structures

I YEAR/ I SEMESTER

UNIT – II

Topic: Decision statements and functions

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Decision Making in C / C++ (if , if..else, Nested if, if-else-if)

- The conditional statements (also known as decision control structures) such as if, if else, switch, etc. are used for decision-making purposes in C/C++ programs.

- They are also known as Decision-Making Statements and are used to evaluate one or more conditions and make the decision whether to execute a set of statements or not. These decision-making statements in programming languages decide the direction of the flow of program execution.

Need of Conditional Statements

- There come situations in real life when we need to make some decisions and based on these decisions, we decide what should we do next.

- Similar situations arise in programming also where we need to make some decisions and based on these decisions we will execute the next block of code.

- For example, in C if x occurs then execute y else execute z. There can also be multiple conditions like in C if x occurs then execute p, else if condition y occurs execute q, else execute r. This condition of C else-if is one of the many ways of importing multiple conditions.